



PRONUTRACEUTICAL

Bio-functional foods based on natural
oil extract from unripe green olives



ACCORDING TO THE HELLENIC FEDERATION OF ALZHEIMER DISEASE AND RELATED DISORDERS:

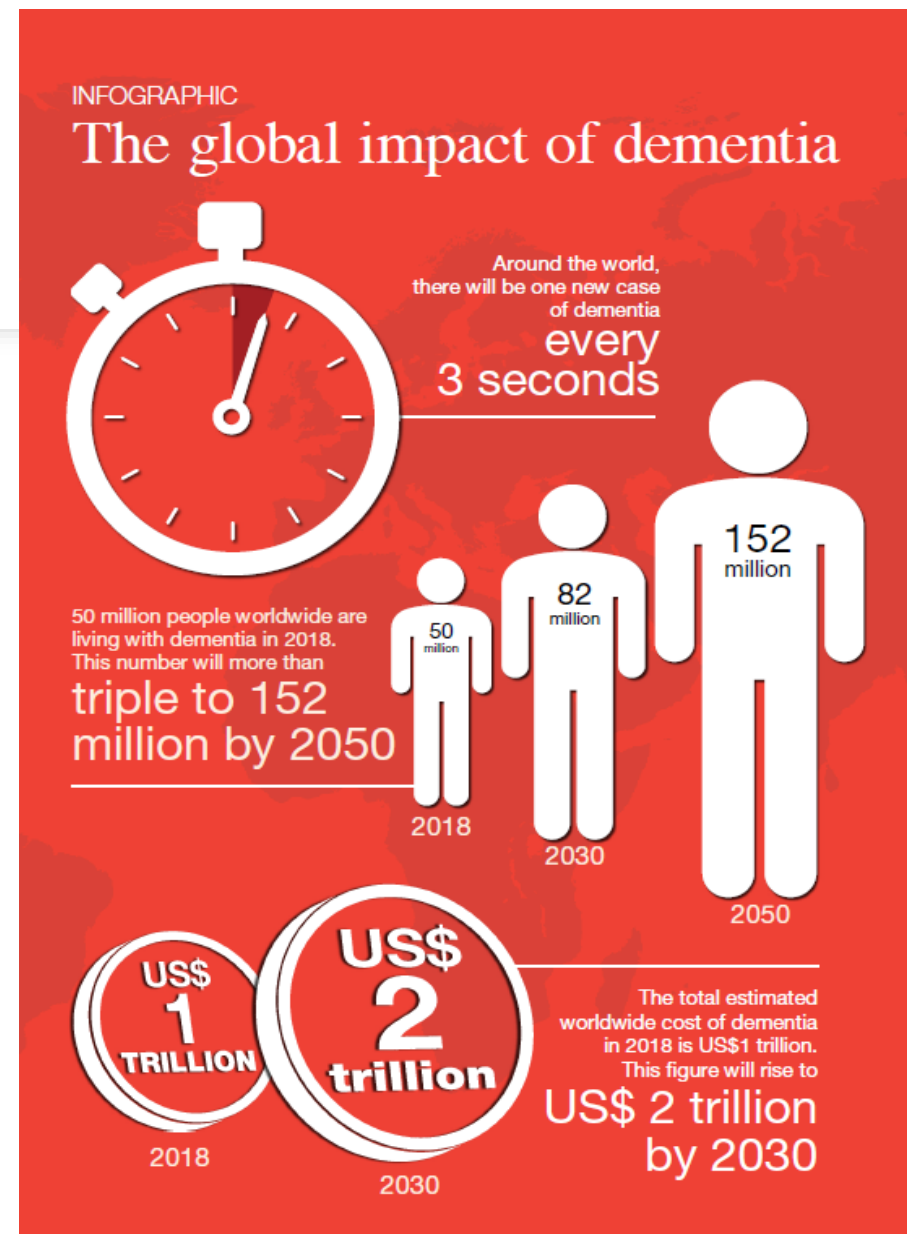
In Greece today⁽¹⁾:

- The number of people with mental problems was **197.000** in 2015
- with a forecast to reach **354,000** by 2050
- for every patient with dementia the life of 2-3 caregivers - family members is significantly affected, the disease directly affects **1 million** Greek citizens
- Diagnosis remains a major challenge worldwide, and 90% of cases are still undiagnosed

In the world today⁽¹⁾:

- According to recent statistics in 2017 there were **50 million** patients
- who unfortunately will be expected to exceed **152 million** by 2050.
- The cost of care in 2020 was \$ **818 billion**,
- while it is expected to be doubled reaching the \$ **2 trillion** by 2030⁽¹⁾.

A NEW CASE, EVERY 3 “
IN THE WORLD⁽¹⁾”



Who we are:



YANNI'S OLIVE GROVE company

is a family company in Halkidiki peninsula in northern Greece

The family's olive groves are in Nea Potidea and

The presses facilities are in Nea Tenedos, Halkidiki.



Greek & international Certifications

The company is:

- ✓ approved by the US FDA
- ✓ member of NAOOA (North American Olive Oil Association)
- ✓ member of the American AFI (Association of Food Industries)
- ✓ certified by the Greek National Agency AGROCERT,
- ✓ certified by the World Olive Center for Health - WOCH.

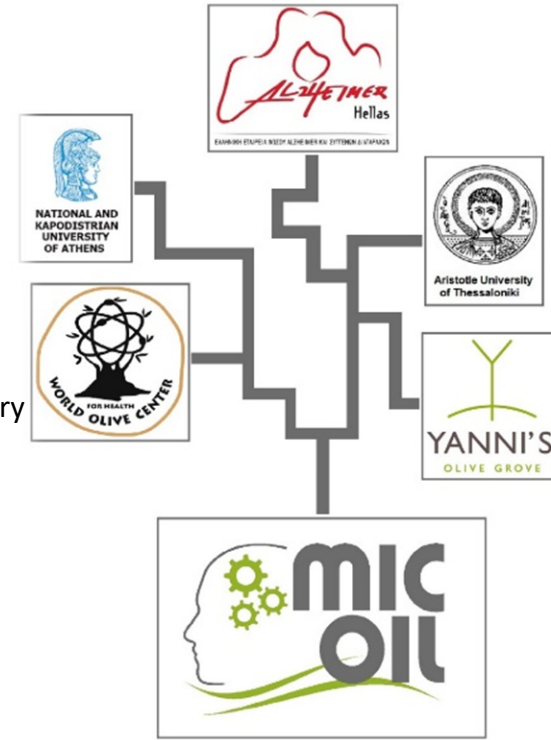
The company applies:

- ✓ quality systems ISO 22000: 2018 and HACCP, the global standard IFS: v6
- ✓ Special environmental protection protocols through material recycling and waste management through certified and recyclable packaging (OPRL - UK)



MICOIL's team

- Greek Association of Alzheimer's Disease and Related Disorders ([Alzheimer Hellas](#)),
- Aristotle University in Thessaloniki (Biochemistry and Medical school),
- National Kapodistrian University in Athens (Laboratory of Pharmacognosy and Chemistry of Natural products),
- [World Olive Center for Health](#)" (WOCH),
- The donator company Yanni's Olive Grove



Principal Investigator Professor M. Tsolaki

Professor of Neurology, Psychiatry, and Theology,
 Ex Director of 1st Neurology clinic of Medical Department in Aristotle University of Thessaloniki
 Chair of Greek Federation of Alzheimer's disease in Greece,
 Coordinator of Neurodegenerative Diseases Laboratory

YANNI'S quality awards

- One paper of Micoil study was awarded for its innovation with the second prize by the 5th International Medical Olympiad 2019.
- From 2016 till today "The Standard of Excellence Health & Nutrition" Award.
- More than 50 awards from the greatest international quality competitions.
- The bio-functional food products were honored with the "TOP EVOOS OF THE YEAR" and the company with "TOP 100 SOCIETIES OF THE YEAR" by the "World ranking EVOOS".

MICOIL

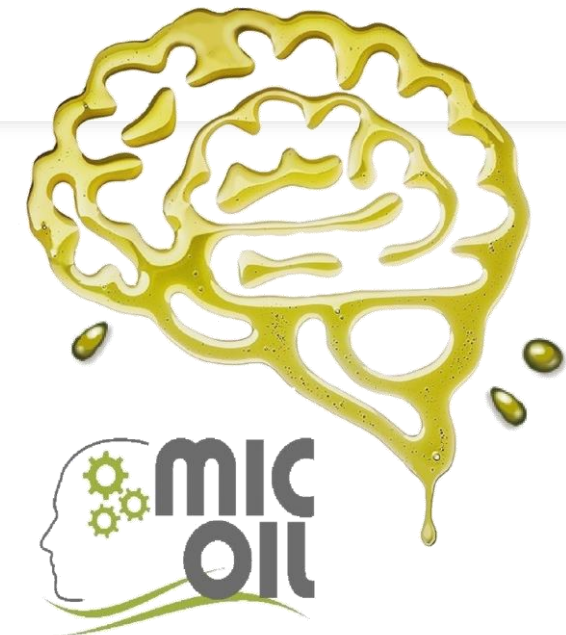


Bio-functional food of the highest quality based on the pure, natural oil extract from unripe green olives.

It is the only natural product of its kind in the world, which was applied on patients with Mild Cognitive Impairment proving its health value and benefits through clinical & laboratory trials and research.

Totally natural food product full of antioxidants containing :

- ✓ Unsaturated Fats (MUFA και PUFA),
- ✓ Omega 3 (α – Linolenic acid),
- ✓ Omega 6 (Linoleic acid),
- ✓ Omega 9 (Oleic acid),
- ✓ Natural phenols,
- ✓ No adding or preservatives,
- ✓ No Sugars, Salt or Sodium



**NATURAL
PROVEN VALUE**

01. MASTER STUDY: A randomized clinical trial of Greek High Phenolic Early Harvest Extra Virgin Olive Oil in Mild Cognitive Impairment: the MICOIL pilot study.

- **JAD:** <https://www.j-alz.com/content/randomized-clinical-trial-greek-high-phenolic-early-harvest-extra-virgin-olive-oil-mild>
- **Journal of Alzheimer's Disease:** <https://pubmed.ncbi.nlm.nih.gov/33044178/>
- **Olive Health Information System (OHIS) and the International Olive council (IOC) :** <https://meddietolivehealth.com/a-randomized-clinical-trial-of-greek-high-phenolic-early-harvest-extra-virgin-olive-oil-in-mild-cognitive-impairment-the-micoil-pilot-study/>

02. Administration of the extra virgin olive oil (EVOO) in mild cognitive impairment (MCI) patients as a therapy for preventing the progress to AD.

- **Journal of Alzheimer's Disease:** <https://pubmed.ncbi.nlm.nih.gov/31802059/>
- Awarded with the second prize by **the 5th International Medical Olympiad in 2019** ([https://www.nuclmed.gr/issue/supplement-3/PAGE 181](https://www.nuclmed.gr/issue/supplement-3/PAGE%20181))

03. Polar phenols of virgin olive oil : an estimate of their content in commercial products to be used in a clinical study to prevent Mild Cognitive Impairment.

- **Aristotle University of Thessaloniki (2020) :** <https://search.lib.auth.gr/Record/1116660?lng=en>

04. Restoration of BMI1 levels after the administration of early harvest extra virgin olive oil as a therapeutic strategy against Alzheimer's disease

- **Experimental Gerontology (2020):** <https://www.sciencedirect.com/science/article/abs/pii/S053155652030526X?via%3Dihub>

05. Greek High Phenolic Early Harvest Extra Virgin Olive Oil Reduces the Over-Excitation of Information Flow-based on Dominant Coupling Model in patients with Mild Cognitive Impairment: An EEG Resting-State Validation Approach.

- **Journal of Alzheimer's Disease:** <https://content.iospress.com/articles/journal-of-alzheimers-disease/jad210454>

06. The pleiotropic beneficial intervention of olive oil intake on the Alzheimer's disease onset via fibrinolytic system.

- **Experimental Gerontology (2021):** <https://pubmed.ncbi.nlm.nih.gov/33836262/>

07. The multifunctional therapeutic potentiality of Extra Virgin Olive Oil administration through the intervention in pathophysiological mechanisms.

- **GSC Advanced Research and Reviews (2021) :** <https://doi.org/10.30574/gscarr.2021.7.1.0081>

08. Extra Virgin olive Oil consumption from Mild Cognitive Impairment patients attenuates oxidative and nitrate stress reflecting on the reduction of the PARP levels and DNA damage

- **Experimental Gerontology (2021):** <https://pubmed.ncbi.nlm.nih.gov/34748951/>

The 2nd paper was awarded in the
5th International Medical Olympiad

SUMMARY
OF OFFICIALLY
PUBLISHED
STUDIES



**According to the Principal Investigator :
Professor M. Tsolaki⁽³⁾**

Ex Director of 1st Neurology clinic of Medical Department in
Aristotle University of Thessaloniki, Greece,
Chair of Greek Federation of Alzheimer's disease in Greece, and
Coordinator of Neurodegenerative Diseases Laboratory

“To date, there is no other study that has examined in such
detail the effects of extra virgin olive oil on the elderly with
Mild Cognitive Impairment as an effective solution for
cognitive impairment”

10 Advantages & Differences

Micoil **VS** Early harvest EVOO

- ✓ 100% natural product with proven bio-functional benefits and published results in international medical journals.
- ✓ High content of natural health protective antioxidants.
- ✓ No additives from genetically modified organisms are used for its production
- ✓ Not tested on animals.
- ✓ It is certified according to international quality standards.



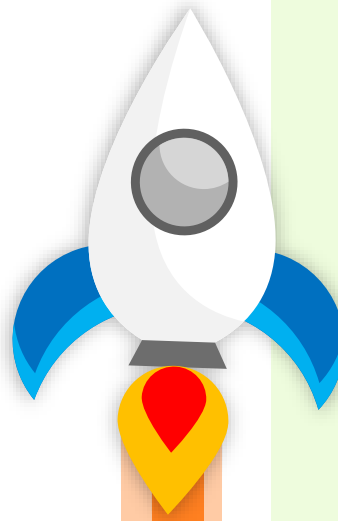
According to the European Food Regulation, Micoil belongs to the category of extra virgin olive oils, but it owns vertical differences from every other EVOO of the market.

- ✓ All packaging materials are environmentally friendly.
- ✓ Its glass, certified for pharmaceutical use, ensures protection against photooxidation, migration of microplastics, contact with oxygen, and durability of the product through time.
- ✓ It comes from best, high-tech production conditions.
- ✓ It is a purely Greek product.
- ✓ The clinical laboratory tests was conducted exclusively by Greek researchers, under the supervision of biggest Greek Universities and Institutions.

Micoil is not just an Extra Virgin Olive Oil, it is a high-quality bio-functional product, that has proven its benefits for good brain function, through multiple clinical and laboratory tests in people with Mild Mental Disorder.



Case
(5 Glass Bottles X 250 ml)



01

02

Pharmacy Packaging

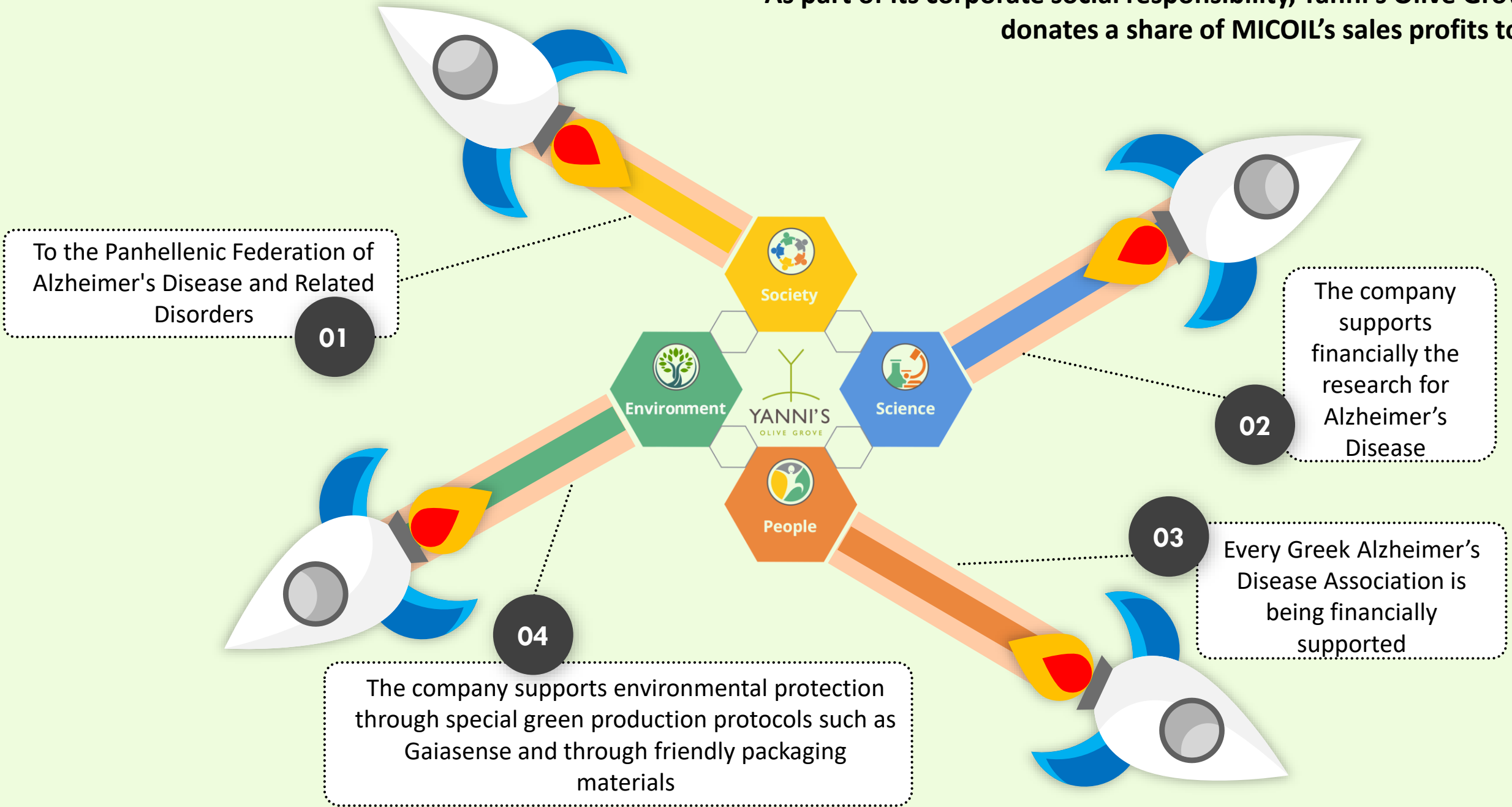
Glass Bottle 250 ml



CASE : 5 X Bottles 250 ml / Logistics			
Description	L-W-H	Net weight	Gross weight
Case (5 bottles X 250 ml)	(cm) 42 X 17 X 9,5	(Kg) 1,145	(Kg) 2,38
1.20X1,00 pallet 272 cases Row / Tie / block : 16 cases Layers / tier: 17 cases	(m) 1.20 X 1.00 X 1,77	(Kg) 311,44	(Kg) 664
1,20X0,80 pallet 204 cases Row / Tie / block : 12 cases Layers / tier: 17 cases	(m) 1.20 X 0.80 X 1,77	(Kg) 233,58	(Kg) 501

Bottle 250 ml / Logistics			
Description	L-W-H	Net weight	Gross weight
Glass Bottle 500 ml	(mm) 64 X 64 X 145	(Kg) 0.229	(Kg) 0.370
Case (6 bottles X 250 ml)	(cm) 42 X 17 X 9,5	(Kg) 1,374	(Kg) 2,80
1.20X1,00 pallet (272 cases / 1632 bottles) Row / Tie / Block : 16 cases Layers / tier: 17 cases	(m) 1.20 X 1.00 X 1,77	(Kg) 373,73	(Kg) 779
1,20X0,80 pallet (204 cases / 1224 bottles) Row / Tie / block : 12 cases (72 bottles) Layers / tier: 17 cases	(m) 1.20 X 0.80 X 1,77	(Kg) 280,30	(Kg) 586

As part of its corporate social responsibility, Yanni's Olive Grove donates a share of MICOIL's sales profits to :





Continuous Training of Clients & Associates



The company **YANNI'S OLIVE GROVE** carries out educational seminars keeping all its clients in the world fully informed regarding its new products and their clinical-laboratory tests by the company's scientific collaborator team.

Especially :

- ✓ Annual new product seminars.
- ✓ Annual conferences with scientific bodies for the analysis of the clinical-laboratory results of the MICOIL studies, as well as for any new scientific achievement about Alzheimer's Disease.
- ✓ Continuous communication with our clients for the immediate resolution of possible issues.

info@pronutraceutical.gr & welcome@yannisolivegrove.gr

WEBSITE: www.yannisolivegrove.gr

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MICOIL in Pharmacies



Potential consumers

- ✓ Patients
- ✓ Relatives of patients
- ✓ Caregivers of patients
- ✓ Consumers of cod liver oil and omega 3,6,9
- ✓ Those who pay attention to their diet
- ✓ Those who consume products to enhance skin health (e.g., hyaluronic)

Everyone needs advice on a product that helps with treatment and owns clinical trials.

MICOIL contains omega 3-6-9.

MICOIL contains polyunsaturated and polyphenols.

MICOIL contains antioxidants



Micoil may additionally be offered to those who use the below drugs, which are approved for Alzheimer's disease:

Donepezil, Rivastigmine, Galantamine and Memantine.

And to those who use Aniracetam and Piracetam

It should be emphasized to patients' relatives, that most brain diseases are usually inherited and therefore MICOIL is an appropriate product for them.

Studies have shown that olive oil helps:

lower cholesterol

in the prevention of cancer

in proper liver function and

It is beneficial for patients suffering from diabetes and heart disease.

Health professionals should emphasize to patients and non-patients, the need to maintain a healthy diet

"Let medicine become your food and your food become your medicine"

Hippocrates

Father of modern medicine



Thank you



PRONUTRACEUTICAL



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