

HARVARD T.H. CHAN SCHOOL OF PUBLIC HEALTH

Mediterranean Diet & Lifestyle in the Land of Hippocrates"

Stefanos N. Kales MD, MPH, FACP, FACOEM Professor, Harvard Medical School & Harvard Chan School Division Chief, Occupational Medicine, Cambridge Health Alliance





UMASS DINING NAMED BEST CAMPUS FOOD BY THE PRINCETON REVIEW FOR UNPRECEDENTED EIGHTH CONSECUTIVE TIME

August 28, 2024

CONTACT

Jared Sharpe

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The University of Massachusetts Amherst has once again been recognized for its exceptional campus dining experience, earning the coveted No. 1 spot on <u>The Princeton Review's list of</u> <u>Best Campus Food</u> for an unprecedented eighth consecutive year. The achievement **UMassAmherst**

UMass Dining



BEST DIET OVERALL

8 Years in a Row

2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025



Best Diet	Best Diets for	Best Heart	Easiest Diet	Best Plant-	Best Diabetes Diet
Overall	Healthy Eating	Healthy Diet	to Follow	based Diet	
Mediterranean	Mediterranean	Mediterranean	Mediterranean	Mediterranean	Mediterranean
Diet #1	Diet #1	Diet #1	Diet #1	Diet #1	Diet #1

University of Massachusetts Dining: Led by Ken Toong – a major Olive Oil & Greek Diet Proponent

Ο κ. Ken Toong EXEI THN ΕΥΘΥΝΗ ΓΙΑ 50.000 ΓΕΥΜΑΤΑ ΤΗΝ ΗΜΕΡΑ ! " Χρησιμοποιεί Ελληνικό λάδι, όσπρια AGRINO, Λαβράκι Κεφαλλονίας, και πολλά άλλα....





MAP of Ancient Greek Cities Dissemination and and Colonies (BLUE) **Maintenance of** 1200-200 BC **Olive Oil & Wine Culture** ΑΣΙΑ (Fruits, Vegetables & Seasonality) ΕΥΡΩΠΗ ΑΤΛΑΝΤΙΚΟΣ ΩΚΕΑΝΟΣ ΓΑΛΛΙΑ ΕΤΡΟΥΣΚΟΙ ΑΝΤΙΠΟΛΙΣ ANTEKATIO ΙΣΤΡΟΣ ΠΟΤΑΜΟΣ NIKAIA **ITPOT** XAPAE IONAKO T XEPIONHIOI ATRAAA ΜΑΣΣΑΛΙΑ MEAAINAEAAHNIKI NITYOY ΑΥΕΣΣΕΩΣ ΠΟΛΙΣ **ICKONA** ΚΑΥΚΑΣΟΣ IOAYZZOZ ΕΥΞΕΙΝΟΣ ΠΟΝΤΟΣ ZAKANGA εονήχος ΚΟΡΣΙΚΗ **IBHPIA** KAAAATI HPAKAEIA KYTOPOZ AFFYAR AEDIA ΠΟΛΛΟΝΙ ZINGTH AMIZOS AAQNAI AREZOYE AYOIAOZ ΣΑΡΔΗΝΙΑ TAPTHIER ZANTIO IMEROTIA KYMH KAAIE IERAAII ΠΟΣΕΙΔΩΝ KAPOAFENH XETTAIO CAAEIRA METAHONT YPA MIKPA ATIA ΕΛΛΑΣ ΗΡΑΚΛΕΙΕΣ ΣΤΗΛΕΣ ΜΗΔΟΙ MEZONOTA NALOT ΣΑΛΔΑ EOAOI ZEYMA **ZEAINOYZ** OAYMI KATANH INDION AYTIKH POYTTAAFIPO AKPALA ΠΥΛΟΣ AHAOZ BAZIAIKH KAPXIAGNA **EYPAKOYEA** EAAHNIKU KAMAPINA MEGONH PAAOZ AEKAROAIZ купроз NOTTO AAPYMHTON AITTOT ппн ΜΕΣΟΓΕΙΟΣ ΘΑΛΑΣΣΑ **ΦΑΙΣΤΟΣ ΓΟΡΤΥΣ** POZ BAYOZ КРНТН ΠΑΛΑΙΣΤΙΝΗ ΙΕΡΟΣΟΛΥΜΑ TEYXEIPA KYPHNH ΑΠΟΛΛΩΝΙΑ ΑΛΕΞΑΝΔΡΕΙΑ ΝΑΥΚΡΑΤΙΣ ΗΡΑΚΛΕΙΑ ΑΣΙΑ ATHE AAMNA TOAAOI ΑΦΡΙΚΗ AMMONION APABIA **KYPHNNIKH** ΑΙΓΥΠΤΟΣ



Olive oil, Greek Mediterranean diet heritage and honoring the past to secure our future: Priorities for research and education

TYPE Opinion PUBLISHED 23 November 2022 DOI 10.3389/fnut.2022.1058402

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"The Nobel prize winning Greek poet Odysseas Elytis wrote,

"If Greece is completely destroyed, what will remain is an olive tree, a vine and a boat; this is enough to begin again" (1).

Indeed, some plants, like the olive tree, and the grapevines, have evidently been in Greece forever."



Frontiers in Nutrition



«KAΛΛΙΟΝ ΤΟ ΠΡΟΛΑΜΒΑΝΕΙΝ Η ΤΟ ΘΕΡΑΠΕΥΕΙΝ» Prevention is Better than Curing (Hippocrates) Προληπτική Ιατρική ή «Lifestyle Medicine»



Hippocrates divided Medicine into three branches, 1. Physics (Internal Medicine),

2. Surgery

3. Dietetics (ΔIAITA = way of life) (Lifestyle Medicine)

- Lifestyle choices are responsible for the vast majority of CHRONIC DISEASE (CVD, Cancer, DM, Obesity, etc)

Recognized the Environment's Impact on Health: "On Air, Water and Places" (Περί αέρων, υδάτων, τόπων)

Textbook of Lifestyle Medicine

LABROS S. SIDOSSIS | STEFANOS N. KALES





WILEY Blackwell

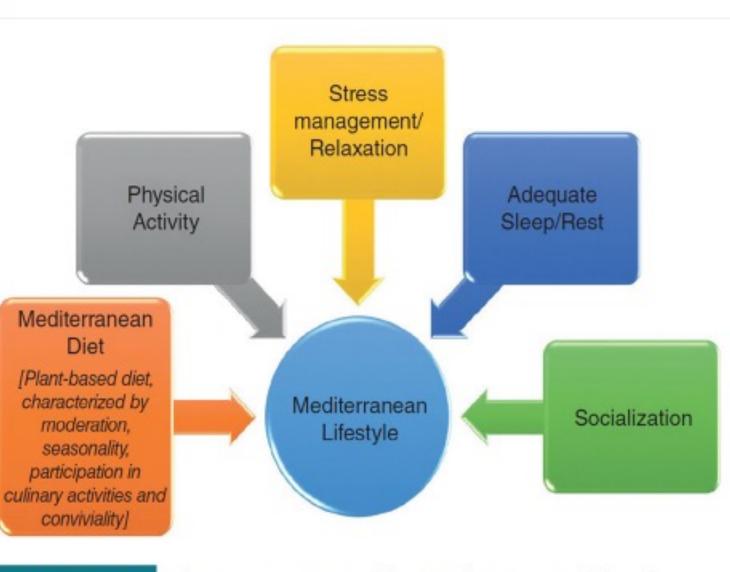


FIGURE 8.1

The components of the Mediterranean lifestyle.

"Mediterranean diet"

- **1. Eating habits historically followed to varying degrees in all countries bordering the Mediterranean Sea (Olive Trees)**
- 2.Most closely associated with the traditional diet and essential foods of Greece and Southern Italy during 1950-1960s (Crete = Prototype).
- **3. High intake of extra virgin olive oil, fruits, vegetables, other plant proteins and fibers (nuts and legumes), unrefined whole grains, and fish;**
- 4. Moderate intake of dairy, eggs and lean meats; moderate alcohol intake with meals (usually wine);

5.Low red meat and sweet consumption.

«**ΠΕΝΙΑ ΤΕΧΝΑΣ ΚΑΤΕΡΓΑΖΕΤΑΙ**» Poverty devises skills.



THEOCRITUS



The Rockefeller Report

".....olives, cereal grains, pulses, fruit, wild greens and herbs... and fish

consist the basic Cretan foods ... Olives and olive oil contributed heavily

to the energy intake ... food seemed literally to be 'swimming' in

oil".

Allbaugh LG. Crete: a case study of an underdeveloped area. Princeton NJ: Princeton University Press, 1953

[slide credit Prof. Antonia Trichopoulou HHF]



LADERA - ΛΑΔΕΡΑ Ladi - λάδι - olive oil Olive oil, Vegetables, Onions, Garlic, Parsley, Tomato







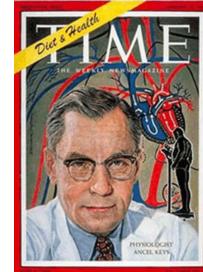
Ancel Keys: Seven Countries Study

1957: Field surveys begin in southern Italy & Crete 1958: Dalmatian coast of Croatia (former Yugoslavia).

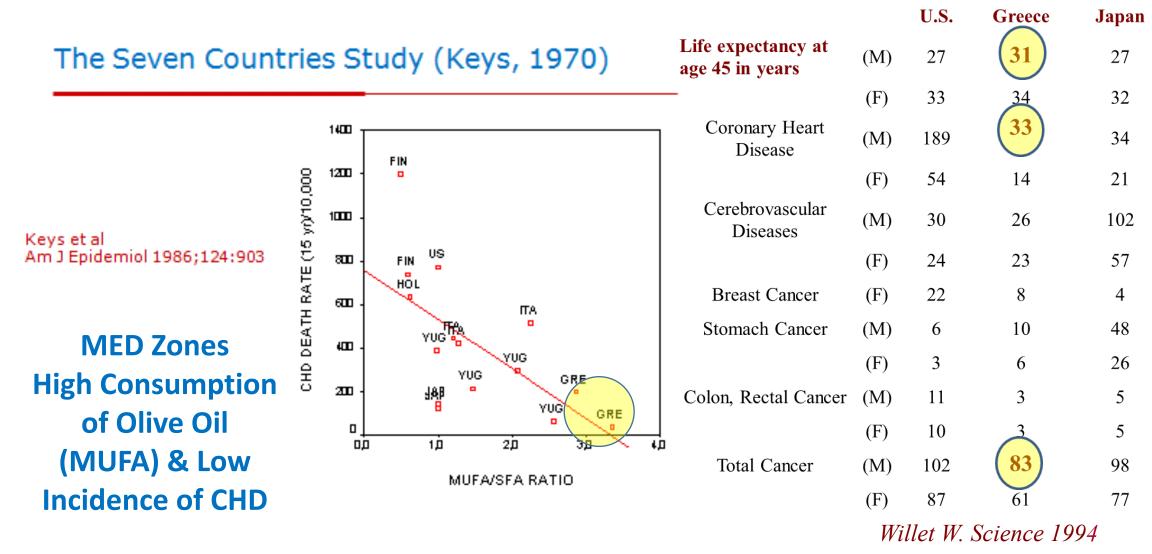
Comparison with US, Finland, Holland & Japan

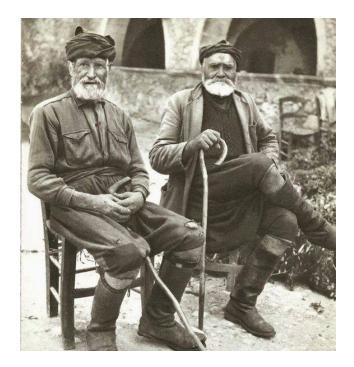






Life expectancy / Disease Rates in U.S.A, Greece and Japan, In 1960's





Review Article

Mediterranean diet and health

Ancel Keys: "Seven Countries Study"

"The concept of the Mediterranean diet dates back to the 1960s', when Ancel Keys coined the term following the results of an epidemiological study, which demonstrated that the populations (Italy and Greece) that overlooked the Mediterranean Sea had a reduced incidence of cardiovascular disease and cancer in comparison to the other populations."

Sofi et al. BioFactors, 39(4):335-342, 2013

Dr. Ancel Keys, propulsor de la dieta mediterránea

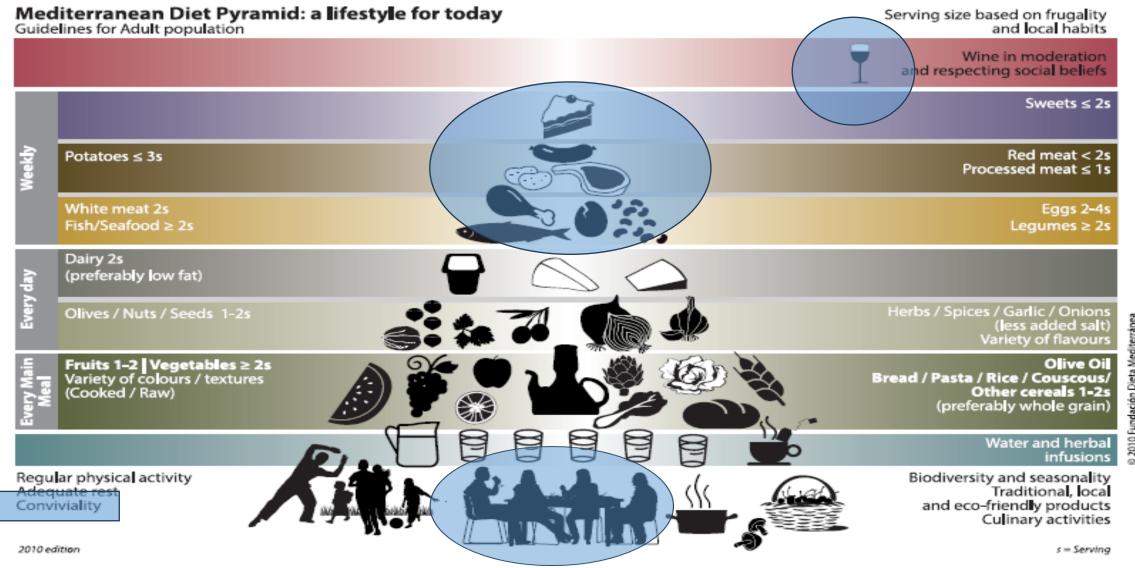
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Two we Testallie fitter Palses me les que availad a entirematinal conditevancelles publicat en 1799 les eschados dende or montolitat que les indices de salutateró en los puises del rear Moditerations ar mantenida estis lugica guestro a la distria que seguitas, landa se contecnita manese guesas y par tantes ar reventa la indicensadal concentra.





UNESCO: "First publicized in 1975 by the American biologist Ancel Keys and his wife, chemist Margaret Keys, the Mediterranean Diet as a unique lifestyle, determined by the climate and by the Mediterranean area, is also manifested through related festivals and celebrations."



«ΒΙΟΣ ΑΝΕΟΡΤΑΣΤΟΣ ΜΑΚΡΑ ΟΔΟΣ ΑΠΑΝΔΟΧΕΥΤΟΣ»

Life without festivity is a long journey without refuge - DEMOCRITUS

0 2010 Fundación Dieta Mediterránea The use and promotion of this pyramid is recommended without any restriction

«ΟΥΚ ΑΕΙ ΘΕΡΟΣ ΕΣΣΕΤΑΙ ΠΟΙΕΙΣΘΕ ΚΑΛΛΙΑΣ» (Κάθε πράμα στον καιρό του..)

It won't always be summer, harvest while you can - HESIOD

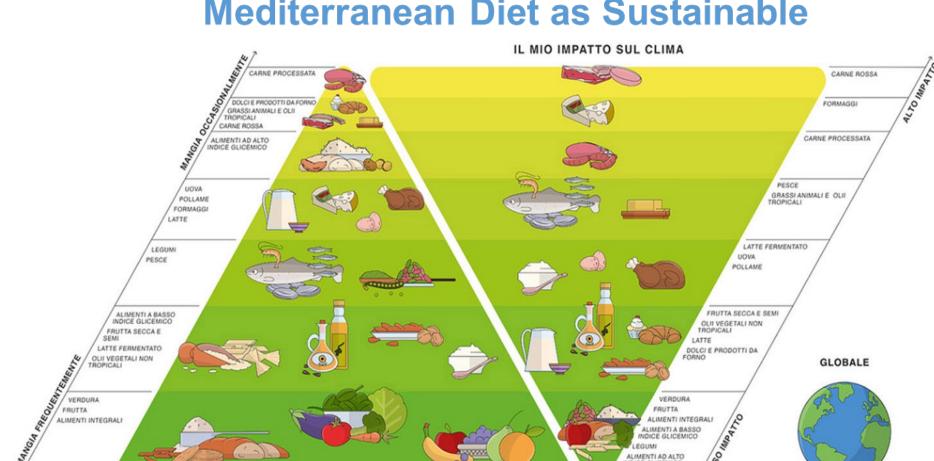
Seasonality &

Biodiversity

s = Serving

Mediterranean Diet Pyramid: a lifestyle for today Serving size based on frugality and local habits Guidelines for Adult population Wine in moderation and respecting social beliefs Sweets $\leq 2s$ Potatoes $\leq 3s$ Red meat < 2s Processed meat $\leq 1s$ White meat 2s Eggs 2-4 Fish/Seafood $\geq 2s$ Legumes ≥ 2 Dairy 2s (preferably low fat) Herbs / Spices / Garlic / Onio is Olives / Nuts / Seeds 1-2s (less added salt) Variety of flavours Fruits 1-2 Vegetables ≥ 2s Olive Oi Bread / Pasta / Rice / Cousc/ us/ Variety of colours / textures Other cereals 1-2s (Cooked / Raw) (preferably whole crain) Water and herbal infusions Requiar physical activity Biodiversity and seasonality Adequate rest Traditional, local and eco-friendly products Conviviality Culinary activities

«Η ΦΥΣΙΣ ΜΗΔΕΝ ΜΗΤΕ ΑΤΕΛΕΣ ΠΟΙΕΙ ΜΗΤΕ ΜΑΤΗΝ» (Η φύση δεν κάνει τίποτα άσκοπα) Nature makes nothing imperfect or useless ARISTOTLE



IDICE GLICEMICO

Mediterranean Diet as Sustainable

LA MIA SALUTE

THE ART & SCIENCE OF OLIVE OIL: NUTRITION, MEDICINE AND PLANETARY HEALTH

Securing the Future of a World Cultural Heritage,

Casina Pio IV, The Vatican, May 3-4, 2022



THE PONTIFICAL ACADEMY OF SCIENCES

The Hellenic Center for Excellence in Health & Wellness in Collaboration with GRECOTEL announces its goals and first steps



Hellenic Center for Excellence in Health & Wellness Overall goal of preventing chronic disease and promoting environmental sustainability by promoting healthier diets and lifestyles.



Hellenic Center of Excellence for Health & Wellness



1. Will Operate as a Non-Profit Entity in the USA

2. Has World-leading scientific and gastronomic advisors (Harvard, Yale, Cleveland Clinic, Culinary Institute of America, Athens Academy, Spain, Italy, etc)

3. These pre-eminent advisors create expanded opportunities for interdisciplinary & international research, education and collaborations

4. Operational Business Model is a smart Collaboration with the Greek Hotel Chain, GRECOTEL

Grecotel has a strong base in CRETE with the flexibility of 40 HOTELS IN 12 TOP GREEK DESTINATIONS



GRECOTEL

HOTELS & RESORTS

ATTICA CAPE SOUNIO, SOUNIO Boutique Resort

PALLAS ATHENA, ATHENS

VOULIAGMENI SUITES

NEW: GRECOTEL ACROPOLIS Boutique Resort

CORFU

World of Kommeno CORFU IMPERIAL, KOMMENO *Luxury Beach Resort*

THE VILLAS OF KOMMENO PENINSULA

LUX ME DAPHNILA BAY, DASSIA Lux Me Resort

EVA PALACE, KOMMENO Luxury Beach Resort

DANILIA VILLAGE

NEW: COSTA BOTANICA, ACHARAVI THE COUNTRY HOUSE THE SUMMER HOUSES

RHODES LUX ME DAMA DAMA, FALIRAKI *Lux Me Resort* MYKONOS MYKONOS BLU, PSAROU Boutique Resort

MYKONOS BLU VILLAS, PSAROU Boutique Resort

MYKONOS LOLITA, AG. SOSTIS Boutique Resort

HALKIDIKI MARGO BAY & CLUB TURQUOISE Luxury Beach Resort

ALEXANDROUPOLIS ASTIR*EGNATIA

LARISSA LARISSA IMPERIAL

KOS

LUX ME KOS IMPERIAL, PSALIDI KOS TOWN *Lux Me Resort*

NEW: CASA PARADISO, MARMARI All In Lifestyle Resort PELOPONNESE RIVIERA OLYMPIA, KYLLINI MANDOLA ROSA Boutique Resort

LA RIVIERA Luxury Beach Resort

OLYMPIA OASIS Lux Me Resort

ILIA PALMS All In Lifestyle Resort

CASA MARRON

cce

FILOXENIA KALAMATA

Non-Profit USA & Strategic Partnership with Grecotel

CRETE

AMIRANDES, HERAKLION Boutique Resort

CRETA PALACE, RETHYMNO Luxury Beach Resort

LUX ME WHITE PALACE, RETHYMNO Luxury Beach Resort

CARAMEL, RETHYMNO Boutique Resort

MARINE PALACE & AQUA PARK, PANORMO All In Lifestyle Resort

NEW: CASA MARINA & AQUA PARK All In Lifestyle Resort

MELI PALACE, SISSI LASSITHI All In Lifestyle Resort

PLAZA BEACH HOUSE, RETHYMNO

GRAND LEONIKI RESIDENCE, RETHYMNO

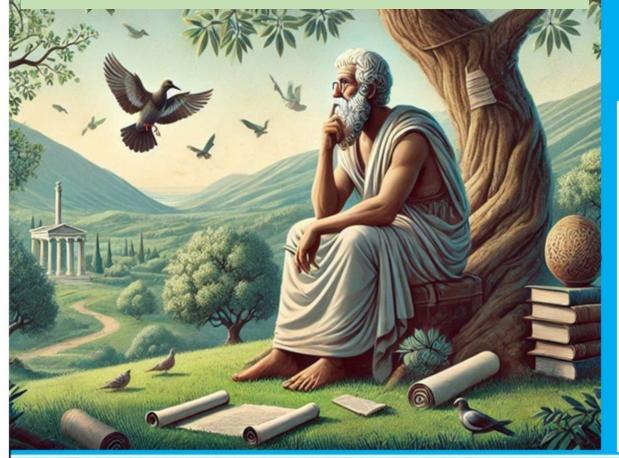
VILLA OLIVA, RETHYMNO



We have host several hundred Participants & Speakers from 6 Continents & more than 15 Countries!



The 2025 Conference Honors, Hippocrates, the Father of Western Medicine in his Birthplace, the Island of KOS





4th International Conference Lifestyle Medicine: Hippocratic Tradition & Modern Applications

GRECOTEL Kos Imperial, KOS, Greece

GRECOTEL

HOTELS & RESORTS TO LIVE



GRECOTEL KOS IMPERIAL More Details Forthcoming Soon...

Hellenic Center For Excellence in Health & Wellness

SAVE THE DATE! KOS, Oct 29-Nov 3, 2025 **Lifestyle Medicine:** Hippocratic Tradition & Modern Applications GRECOTEL Kos Imperial, KOS, Greece

LUX-ME KOS IMPERIAL



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George Chrousos, MD, MACP, MACE, FRCP

Emeritus Professor of Pediatrics & Endocrinology Director, Univ. Research Institute for Maternal-Child Health and Precision Medicine UNESCO Chair, Adolescent Health & Medicine, National & Kapodistrian Univ. of Athens President, Hellenic Pasteur Institute, Distinguished Investigator Emeritus, NICHD, NIH

Introduction to the Keynote speaker:

Dr. George Chrousos is the world's leading scientific authority of stress and stress physiology. He is a member of the Athens Academy. Born in Patras, Greece, he is a Greek-American pediatrician, endocrinologist, neurobiologist and one of the world's foremost medical clinical researchers. He serves as Professor of Pediatrics and Endocrinology Emeritus and at the National and Kapodistrian University of Athens School of Medicine, Athens, Greece and as Director of University Research Institute of Maternal And Child Health & Precision Medicine. He currently also holds the UNESCO Chair on Adolescent Health Care. He is one of the 250 most cited scientists internationally (ISI highly cited), included not only in the list of Clinical Medicine, but also in that of Biology and Biochemistry, and is the highest cited clinical pediatrician or endocrinologist in the world.



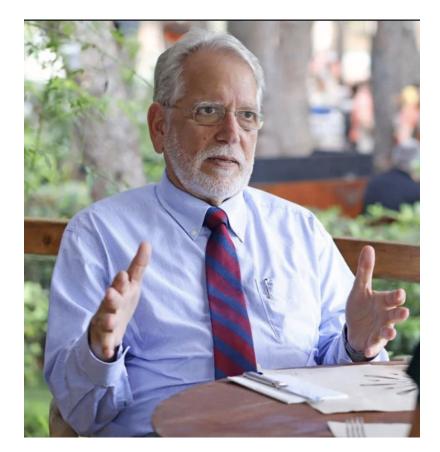


www.mediterraneanhealth.org Cretan Lifestyle: Mediterranean Tradition & Modern Application Moditorranoan Tradition & SS AS SAVE THE DATE November 13-18, 2023 **XPONIA** tourism AWARDS AGRECOFARMS

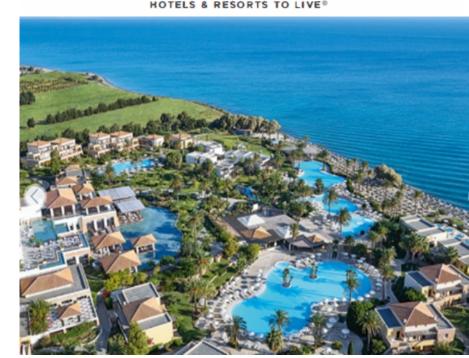
KOS, Oct 29-Nov 3, 2025- Lifestyle Medicine: Hippocratic Tradition & Modern Applications Keynote: Prof. George Chrousos

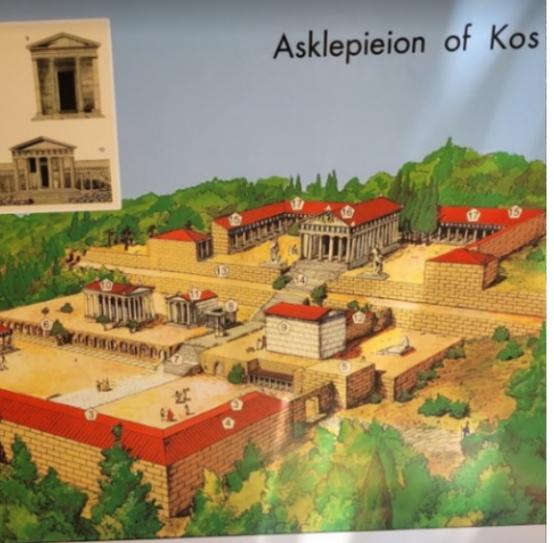
President, Hellenic Pasteur Institute Athens Academy, UNESCO CHAIR, Distinguished Investigator Emeritus, US NIH





GRECOTEL Kos Imperial, KOS, Greece GRECOTEL





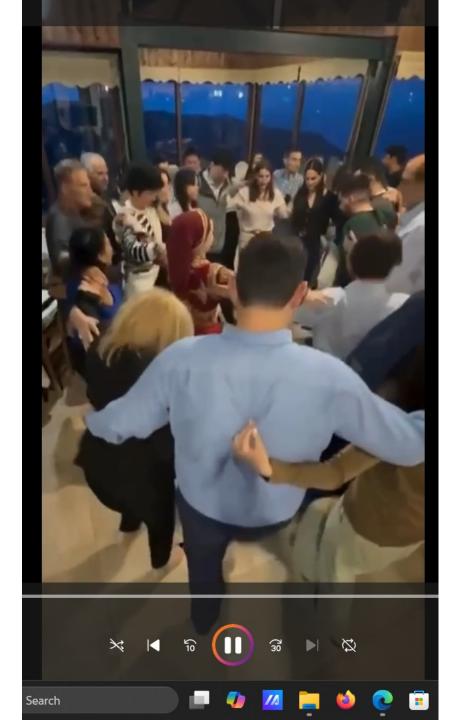




Basilica and Beach of Agios (Saint) Stefanos







SAVE THE DATE! KOS, Oct 29-Nov 3, 2025 Lifestyle Medicine: Hippocratic Tradition & Modern Applications GRECOTEL Kos Imperial, KOS, Greece

- The Conference will couple Elite educational offerings with Hands-On Immersion
- Visitors will <u>see, hear, taste</u> <u>and live</u> unique and unforgettable experiences in KOS inspired by the land, Greek people and their history.



Hellenic Center For Excellence in Health & Wellness

SAVE THE DATE! KOS, Oct 29-Nov 3, 2025 **Lifestyle Medicine:** Hippocratic Tradition & Modern Applications GRECOTEL Kos Imperial, KOS, Greece

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