Health, Aging and Kinetics Lab

An Innovative and Integrated Approach

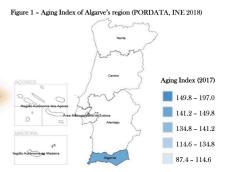
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The Problem is...

Longer life expectancy leads to an increasing number of elderly people. According to WHO (2014)^[1] between 2000 and 2050, the proportion of the world's population over 60 years old will duplicate to 22%. In Portugal (2017), the aging index was 153.2% and the Algarve region was 141.2% [2]. In an aging society with an increased longevity, the challenge to improve the number healthy years and associated the quality of life (QoL) of this population, implies the development of health strategies and new health and social care innovated models[3].





New Approach is...

HEALTH, AGING AND KINETICS (HAK) LAB

Promote Research and Innovation

Study new therapeutic approaches, their cost efficiency and repercussion in patients QoL, and studying the phenomene of ageing associated chronic diseases.





Multidisciplinary Team

A single infrastructure with different professionals: physicians, prosthetics and orthotics, pharmacists, nutritionists, rehabilitation and exercise professionals, economists and statisticians.

FOTO TEAM







These partnerships guarantee the multidisciplinary team, and critical mass to propose individual and inter institutional research projects.



The HAK Lab will be the central structure of the reference site in the Algarve region.

2 currently ongoing research projects are...

"Medical Appointment to Health and Wellness Promotion"

✓ Risk factors of chronic diseases (cerebrovascular, diabetes and mental disorders).

✓ Lifestyle/physical inactivity.

✓ Early diagnosis and intervention in hypertension, glycemic control and obesity.



OBJECTIVE:

Address the scarcity of resources in the national health service and increase accessibility and equity to primary health care

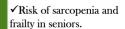
"Population-based study on sarcopenia in the population over 60 years"

The HAK_Lab will allow verify:

a) The impact of these interventions on the QoL of individuals, prescription of medication complementary diagnostic tests and the rate of use of medical and nursing appointments in health

b) Obtain indicators that enable professionals to direct their therapeutic approaches for chronic diseases associated with aging;

c) Obtain health indicators that help to define strategies and policies for health innovation in the



✓ Allow to this population adopted early intervention strategies on the various determinants of health to promote active aging and to ensure autonomy and productivity beyond the age



