

CONSUMPTION OF ULTRA-PROCESSED FOODS IN CHILDREN AND YOUNG POPULATION IN THE REGION OF MURCIA AND ITS IMPACT ON THE RISK AND PROGRESSION OF STEATOTIC LIVER DISEASE ASSOCIATED WITH METABOLIC DYSFUNCTION (MASLD)

AUTHORS: NATALIA LATES PROFIR 1, RAFAEL RÍOS DE MOYA ANGELER 2, DAVID PLANES MUÑOZ 1, ENRIQUE CASADO GALINDO 2, MARÍA EUGENIA GUTIÉRREZ PERALTA 2, MARTÍN LÓPEZ MARÍN 2, JUANA VALERO MORENILLA 2, CARMEN FRONTELA SASETA 1, RUBÉN LÓPEZ NICOLÁS 1

> 1 UNIVERSITY OF MURCIA, DEPARTMENT OF FOOD SCIENCE AND NUTRITION, 30100, SPAIN (REGION OF MURCIA) 2 CENTRO DE SALUD SAN DIEGO, LORCA, 30800, SPAIN (REGION OF MURCIA)

INTRODUCTION

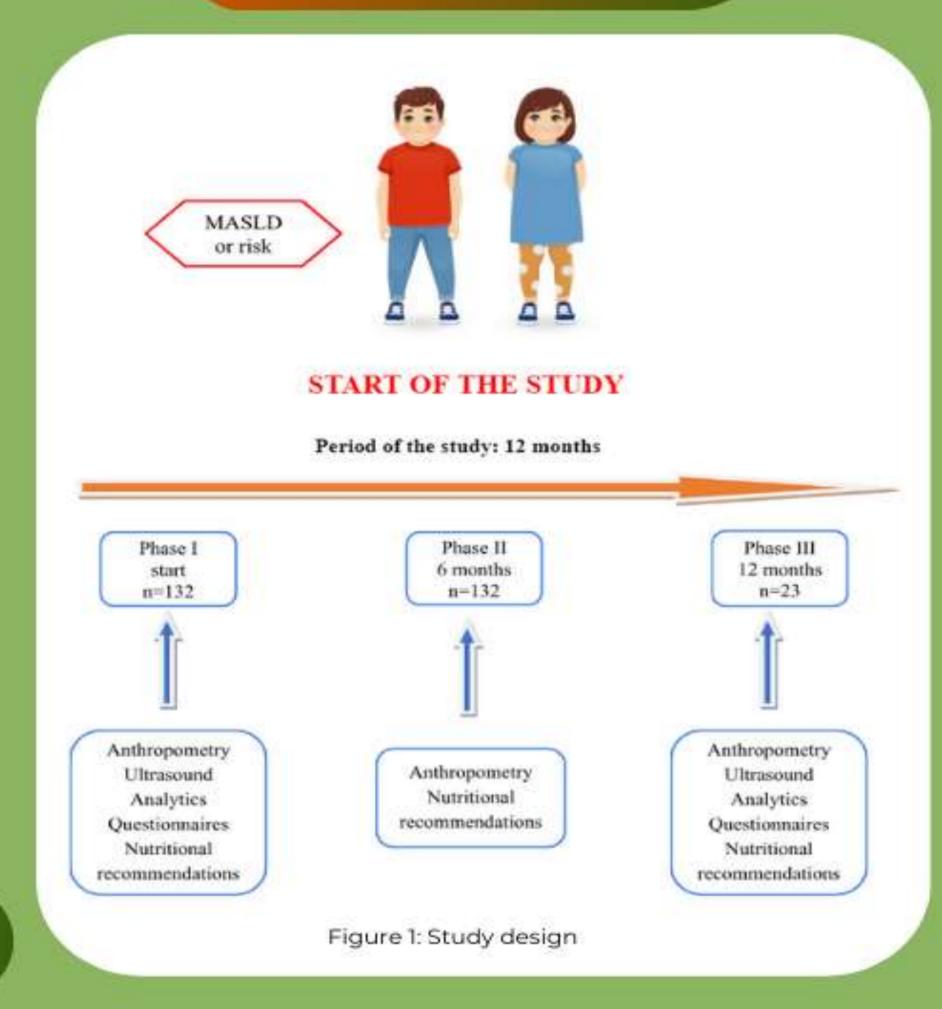
The consumption of ultra-processed foods has increased significantly among children and adolescents, in the last decades (1). Excessive intake of these products is associated with various diseases, including metabolic metabolic dysfunction-associated steatotic liver disease (MASLD) (2). Worldwide, MASLD is highly prevalent and its incidence is expected to increase, especially among the young population (3). Improving dietary habits through a Mediterranean style of eating and physical activity could reduce the progression of this pathology.

Objective >>> To evaluate the effect of the consumption of ultra-processed foods in the child and adolescent population of the Murcia Health Area III on the incidence and evolution of MASLD.



Analytical prospective longitudinal study in children and adolescents in Area III of Murcia. Figure 1.

METHODOLOGY



RESULTS

- 1. Greater increase in ultraconsumption of processed foods (UPF) rich in sugars and saturated fatty acids (SFA) in the MASLD group at the end of the study. Figures 2 and 3.
- 2. Of the eight patients initially diagnosed with grade I steatosis, has one progressed to grade II, while in two cases it has been reversed. Figure 4.
- 3. Significant increase weight, % fat mass and decrease in % muscle mass in the MASLD group at the end. Figures 5, 6 and 7.

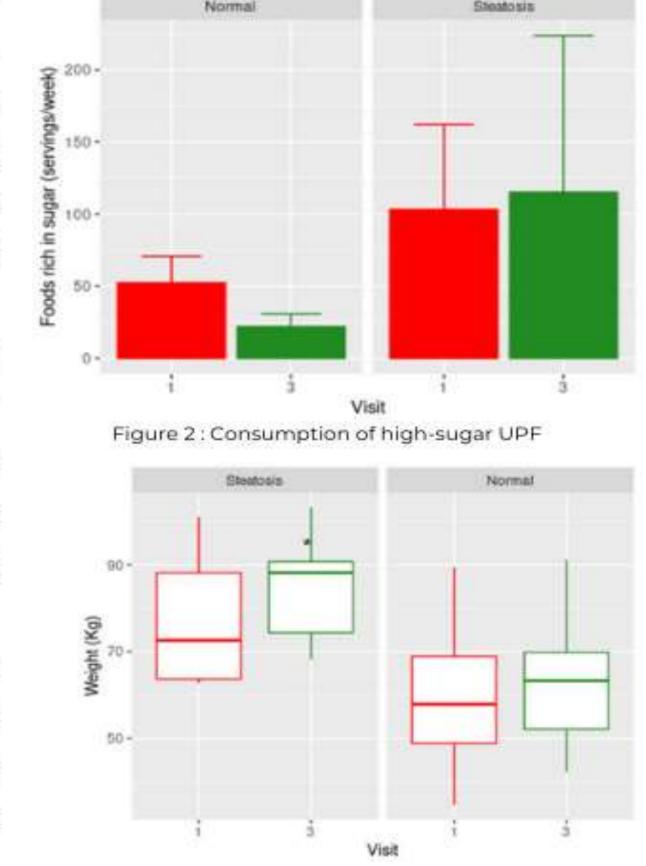
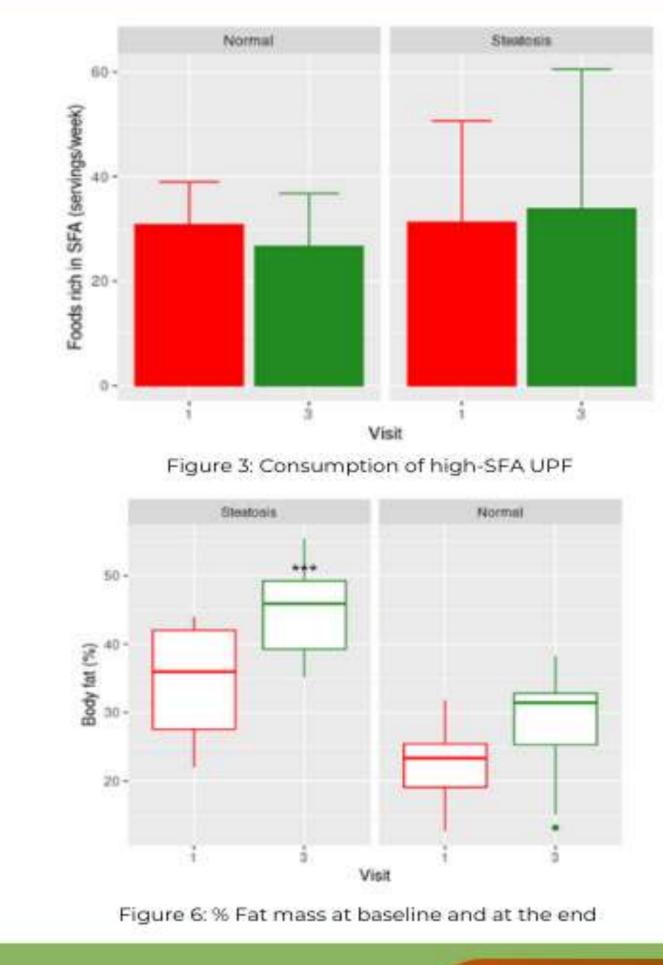
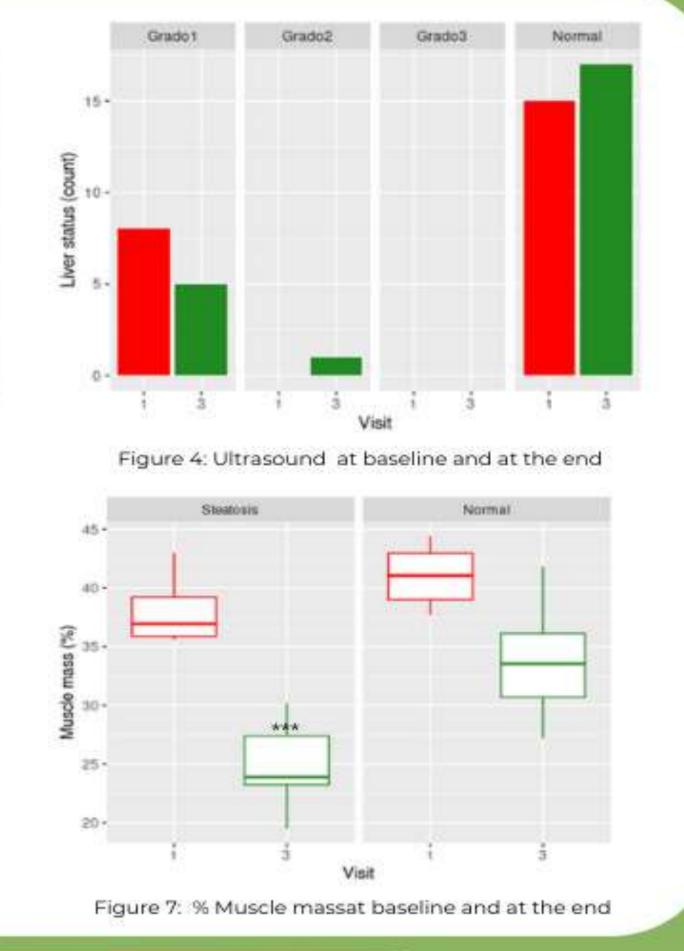


Figure 5: Weight at baseline and at the end





CONCLUSIONS

- It is crucial to promote nutrition education on the adolescents and school-aged populations in order to increase awareness of the risks of overconsumption of ultra-processed foods.
- Furthermore, it is essential to promote healthy eating habits and physical activity to curb the worrying increase in MASLD in young population.

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