P-156 - EDUCATIONAL ANIMATED FILM FOR CHILDREN AND ADOLESCENTS WITH PHENYLKETONURIA

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**INTRODUCTION:** Nutritional treatment is the mainstay of phenylketonuria (PKU) management and should be continued for life. Unfortunately, the adherence to diet is a difficult issue at all ages, especially in children older than 10 years old (1). The provision of educational materials such as books, pictures, brochures, among others, has been described as factors that can encourage diet adherence (2). In México the educational materials for support PKU treatment compliance, are scarce. **OBJECTIVE:** To elaborate an animated short film addressed to PKU children and adolescents about the importance of maintaining the phenylalanine blood levels within therapeutic ranges and depicting fruits and vegetables as an important part of their treatment. **MATERIALS AND METHODS:** Dietitians, chemist and medical personal trained in the PKU management, developed a simple script explaining some of the damages caused by the transgression of the phenylalanine restricted diet. The sketches of the drawings were made by a volunteer designer and the animation was done by a film student. Royalty free music was used for the animation film. **RESULTS:** An original 3-minute animated short film was done and it has been shown to about 30 PKU patients and their parents, those who have expressed that it seems fun and useful, however a formal study has not been carried out to assess its impact in the Phe blood levels. **CONCLUSION:** To the best to our knowledge, this is the first educative short animated film developed in Mexico devoted to PKU pediatric patients to encourage its compliance to the nutritional treatment. References (1) Walter J.H., White F.J., Hall S.K., MacDonald A., Rylance G., Boneh A., et al. How practical are recommendations for dietary control in phenylketonuria? Lancet. 2002; 360: 55–57. (2) Sharman R, Mulgrew K, Katsikitis M. Qualitative analysis of factors affecting adherence to the phenylketonuria diet in adolescents. Clin Nurse Spec. 2013; 27: 205-10.