P-159 - GROWTH AND SIZE EVALUATION IN PATIENTS WITH PHENYLKETONURIA IN A PEDIATRIC HOSPITAL

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\textbf{INTRODUCTION:} To allow the physical growth phenylketonuric children requires phenylalanine-restricted diet, low in natural protein. \textbf{OBJECTIVE:} The aim of this study was to evaluate growth and size of phenylketonuric patients with phenylalanine-restricted diet, low in natural protein, in a pediatric hospital at Mendoza, Argentina between January 1997 and December 2018. \textbf{MATERIALS AND METHODS:} Descriptive and retrospective study. It was included children with a diagnosis of phenylketonuria by newborn screening who began clinical-nutritional treatment in Division of GROWTH AND DEVELOPMENT: Data were taken from written medical records, with informed consent. It were evaluated: 1) size: at birth and every 3 months in children under 1 year old and yearly afterwards; 2) growth: annual growth velocity (adequate: between P10 and 97); 3) types of Phenylketonuria: classic, moderate and mild according to the phenylalanine value in the diagnosis and the phenylalanine daily intake; 4) metabolic control: adequate - phenylalanine values between 2-6 mg/dL in dried blood spot; 5) breastfeeding: at 6 months and 2 years. It was made descriptive statistics analysis. \textbf{RESULTS:} N = 11 (7 female patients, 4 male patients). Mean age at the start of follow-up was 22 days of life. They presented Classic Phenylketonuria 6 patients (54.55%), moderate 1 patient (9.09%) and mild 4 patients (36.36%). The growth and size in all patients were according to the reference population. Metabolic control was adequate in 8 patients (72.73%). Breastfeeding at 6th months was in 9 patients (81.82%) and only in 1 at 2 years (14.29%). \textbf{CONCLUSION:} The weight, height and head circumference were according to the reference population. In older than 2 years, the size was according to parents height ranges. In all patients with phenylketonuria growth in height was normal.