



TITLE: Determinant newborn risk factors for cardio metabolic cluster at 4 years old

Name: Rita Aguiar Fonseca

Affiliation: Medical Doctor at ACES Baixo Mondego

Country: Portugal

Email ID: ritaaguiarfonseca@gmail.com

ABSTRACT (upto 300 words)

Background: Cardiometabolic risk factors (CRF) in children have been shown to be tracker to earlier life events. Nevertheless, the available evidence on this subject is scarce.

Objective: To investigate associations of early life determinants with the presence of adverse cardiometabolic profile (CMP) in 4-year-old children.

Methods: Children from the birth cohort Generation XXI at age 4 were included (n = 1216). Data on sociodemographic, pregnancy-related and children characteristics, as well as biochemical parameters at 4 years old were assessed. A cluster analysis and multiple logistic regression models were used. At last, odds ratio and respective 95% confidence intervals (OR; 95%CI) were computed to determine the association between early life determinants and adverse CRF in infants.

Results: Being born large for gestational age (OR=2.41; 95% CI: 1.18-4.93), was independently associated with higher risk of an adverse CMP.

Conclusions: Size at birth was a strong determinant of an adverse CMP in pre-school

children, raising awareness of the complex cardiometabolic continuum that may start even in utero and accompanied the children throughout its life until adulthood.



Diabetes and Endocrinology

November 21-23, 2022 | Paris, France

<https://www.diabetes.scientexconference.com/>

✉ diabetes@scientexconferences.com

☎ +1-346-348-1205



Presenter Name: Rita Aguiar Fonseca.

Authors: Rita Aguiar Fonseca, Ana Cristina Santos.

Mode of Presentation: Oral.

Contact number: +351 917668980

Rita Aguiar Fonseca

Medical Doctor

Lifestyle & Anti-aging Medicine

