

Predictors of short stature in intrauterine growth retardation

F. Bouferoua; H. Boucenna; N. Bouterfas; A. Mohandoussaid; L. Sekfali; N. Boukhedouma; N.Dahmane; kn. Benhalla

Pediatric Department "A", Beni messous Hospital, Algiers, Algeria

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INTRODUCTION

The intrauterine growth retardation (IUGR) or SGA is defined by weight and / or height below the 10th percentile. Newborns with SGA, represent one of the major health problems for obstetricians and pediatricians. In our country, children born with IUGR do not have follow-up in accounted for 3.9% of all births. specialized consultations apart from those hospitalized at stature

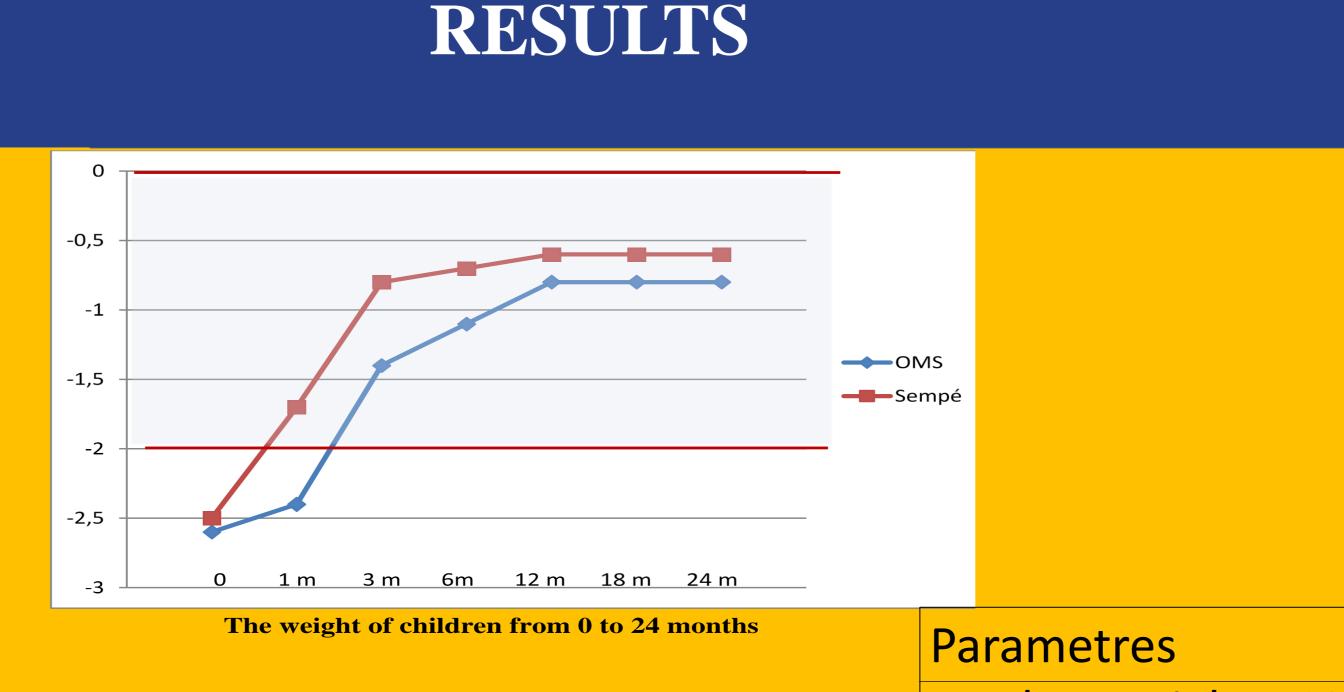
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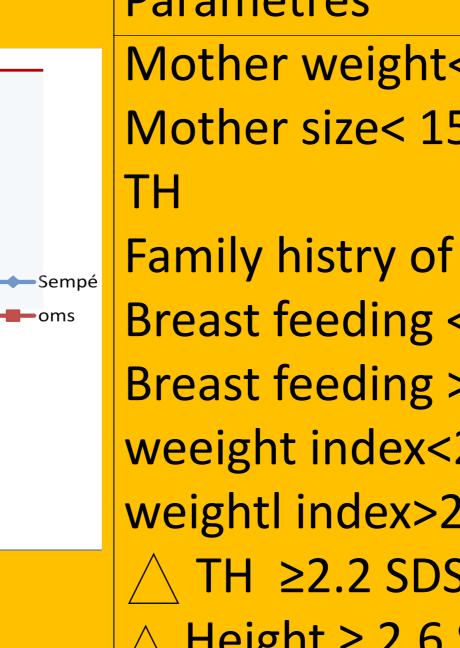
-Evaluate height growth in the second year of life in newborns born at term in our center who present with IUGR using a descriptive cohort.

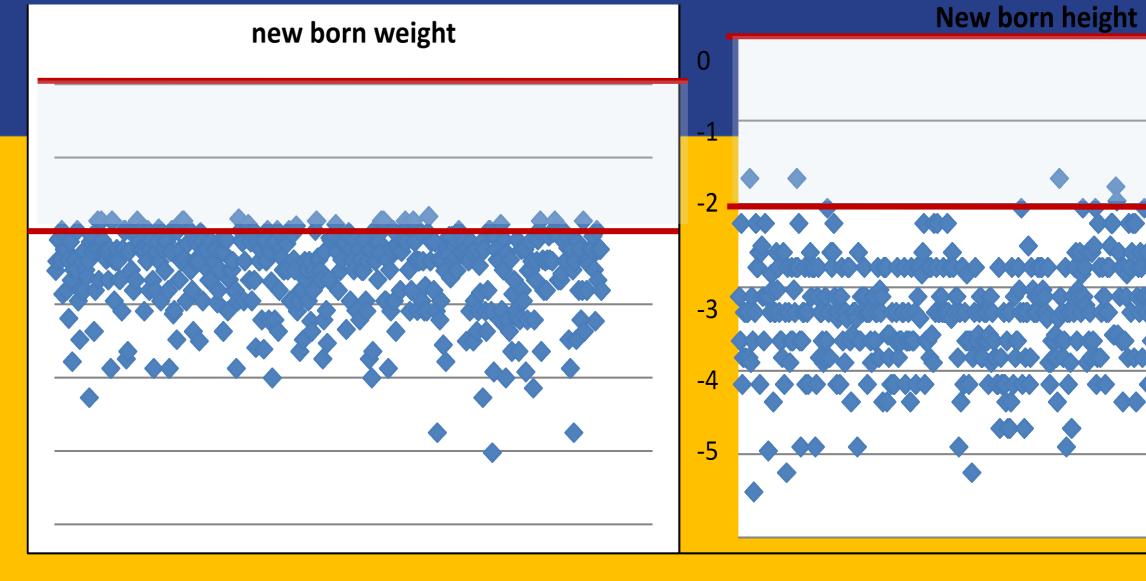
-To determine the predictors of small size at the age of 2 years

457 newborns were collected. The IUGR

birth, and then arrive late for our consultation for short 12.1% of children have a height delay, the predictive factors identified are maternal height, history of IUGR, height of the child compared to the target height, difference between birth size and target height, weight index and gain in weight and size at 6 months.







Parametres	OR	Р	CI: 95%	variability: R2 (%
Mother weight< 62 Kg	0.9	NS	0.4-2.2	
Mother size< 155 cm	5.5	0.001	1.9-15.5	11.5
ГН	2.7	0.06	0.9-7.7	4.9
Family histry of IGR	4.6	0.001	1.8-11.4	4
Breast feeding < 3 m	3.5	0.02	1.29.9	3.2
Breast feeding > 6m	0.6	NS	0.2-2.1	
weeight index<2.6	5.3	0.001	2-14.1	1.8
weightl index>2,6	2	0.2	0.7-6.1	
	10.7	0.001	2.6-43.6	5.6
\ Height ≥ 2.6 SDS	0.4	0.1	0.1 1.3	
Birth height < -2SDS	1.3	NS	0.2-8.9	

MÉTHOD

Longitudinal prospective study from 2012 to 2016. We followed the growth in height and weight of children born with IUGR at term up to the age of 2 years.

We analyzed all maternal and neonatal factors that may be predictive of short stature at age 2

COMMENTS

It made it possible to highlight for the first time in Algeria, the frequency of IUGR separately Prevalence of IUGR is unknown in Algeria. The of two.

The predictive factors vary from one study to another, due to the heterogeneity of the IUGR

group.

CONCLUSION

Evolution of the average height from 0 to 24 months

from premature; it is 3.9% compared to all births identification of predictive factors of a small size make it Our study also showed that 12.1% of children possible to carry out an early diagnosis of the delay in born with IUGR are less than -2 SDS at the age height by a regular and targeted follow-up, and thus to improve the quality of the care.

REFERENCES

- 1.Saleem T, Sajjad N, Sanna F, Nida H1, Syed RA and Maqbool Q. - Intrauterine growth retardation - small events, big consequences. Italian J Pediatr 2011; 37: 1-4
- 2.Leger J et al.- Growth and final height of subjects born with IUGR: predictive factors. JPP1999: 61-7
- 3. Albertsson-Wikland K, Karlberg J. Natural growth in children born small for gestational age with and without catch-up growth.

Acta Paediatr Scand 1994; 399: 64-70

4.Leger J and al. - Prediction Factors in the Determination of Final Height in Subjects Born Small for Gestational Age.

Pediatr Res1998; 43: 808–12

