

Growth in Infants with Cow's Milk Protein Allergy Fed an Amino Acid-Based Formula

Yvan Vandenplas et al. DOI.org/10.5223/pghn.2021.24.4.392

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Background & Methods: Non-breastfed infants aged 0–6 months with symptoms suggestive of CMPA were recruited from 10 clinical centers in China.

-Infants were started on a strict CMP-free elimination diet with an AAF for two weeks and a CMP-free complementary diet was allowed in infants above 4 months of age.

-After 2 weeks on the elimination diet, infants underwent a standardized open food challenge (OFC) with a cow's milk-based infant formula.

-Weight, length, and head circumference (HC) were measured at enrollment and final follow-up at around 9 months of age.

ACADEMIC P.E.A.R.L.S

Pediatric Evidence And Research Learning Snippet



Infants with Cow's Milk Protein Allergy -Fed an Amino Acid-Based Formula Outcome on growth?

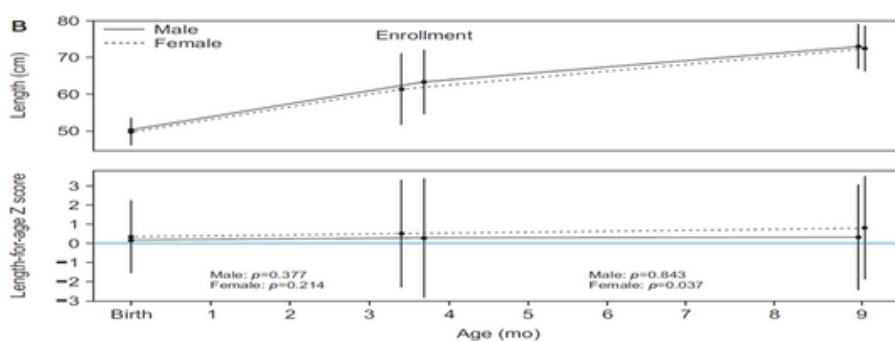
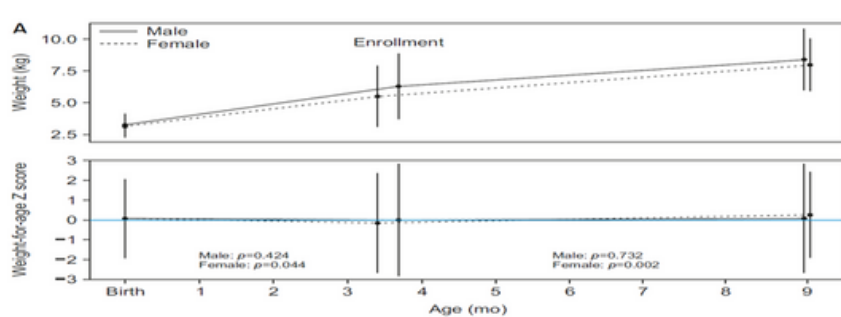
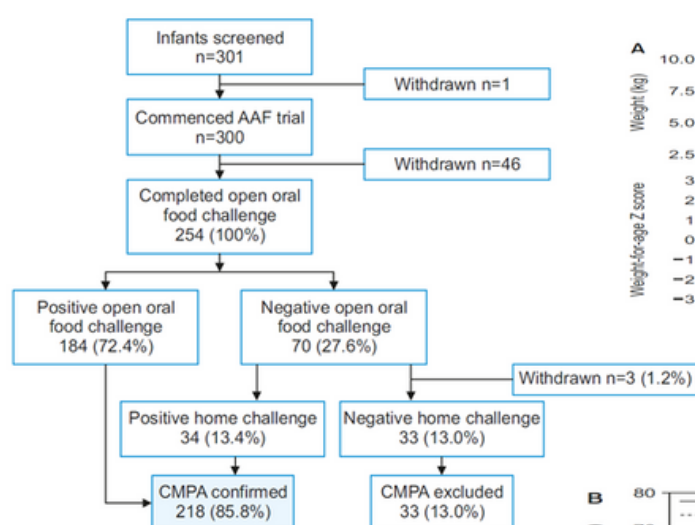
Vandenplas, Yvan et al. *Pediatric gastroenterology, hepatology & nutrition* vol. 24,4 (2021): 392-402.

Results:

From enrollment to 9 months of age:

- WAZ increased from -0.029 to 0.178 ($p=0.012$).
- LAZ scores remained similar (0.400 vs. 0.552 ; $p=0.214$).
- No significant differences in the mean HCAZ scores (-0.356 vs. -0.284 ; $p=0.705$).

Study flow chart



Conclusions: Chinese infants with challenge-confirmed, non-IgE-mediated CMPA achieved normal weight gain, linear growth, and head growth while being fed the AA based formula, together with a CMP-free elimination diet, during the first 9 months of life.

EXPERT COMMENT

•Infants with CMPA consuming Amino acid-based formula along with CMP-free complimentary diet during their first 9 months of life had adequate growth in-terms of weight and height gain.

•Prospective studies along with the evaluation of dietary intake are required to assess the long-term effects of AAF on growth.

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With warm regards,

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Reference

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