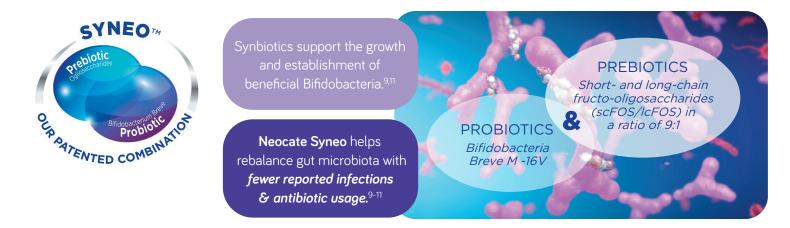
Boosting Immunity of Cow's Milk Protein Allergy Infants with Synbiotics

Infants with Cows' Milk Protein Allergy (CMPA) often have an altered gut microbiota compared to healthy breastfed infants¹⁻³ and are more susceptible to infections.⁴⁻⁶ This microbial dysbiosis may negatively affect the development of an infant's immune system.³

Neocate Syneo is the only amino acid formula with synbiotics (AAF+Syneo) able to rebalance the gut microbiota of infants with CMPA making it more like that of a healthy breastfed infant.^{3,7,8,9}



PRESTO TRIAL

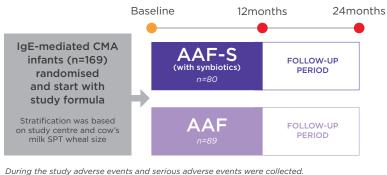
The first RCT to investigate the trajectory of CMP tolerance development and safety of **AAF+Syneo**. Infants < 13 months with confirmed IgE-mediated CMPA, were randomised to receive **AAF+Syneo** (n=80) or AAF (n=89) for 12 months, with a 2-year follow-up. The study was conducted at 20 sites in Germany, Italy, Singapore, Thailand, the United Kingdom, and the United States of America.

Results

AAF+Syneo is SAFE & SUITABLE for the dietary management of infants with IgE-mediated CMPA, who develop tolerance to Cows' milk protein at a similar trajectory compared to interventions with different hypoallergenic formulas and those without synbiotics.^{1,9}

AAF+Syneo is effective in managing allergy symptoms, promoting normal growth and a healthy aut microbiome.¹⁰

Double-Blind Randomised Controlled Trial Design



During the study duverse events and serious duverse events were confecte

AAF: Amino-acid based formula CMA: Cow's milk allergy

CMA: Cow's milk allerg

SPT: Skin prick test

Open food challege or anaphylactic history

Double-blind placebo controlled food challenge

Tolerance Development

There were **no significant differences** at 12 and 24 months in percentages of infants who developed tolerance.

	12 months	24 months
AAF-S (with synbiotics)	45%	64%
AAF	52%	59%

 Half of all infants became tolerant to cow's milk at 12 months. An additional 13% developed tolerance at 24 months.

Numbers are in line with reported tolerance development trajectory.

 During the 12 months intervention, fewer infants hospitalised due to serious adverse events categorised as infections (9% vs 20% in AAF; p=0.036) Infants have fewer infections, less medication use, and fewer hospital admissions with AAF+Syneo.9-11

SUMMARY OF CLINICAL STUDY RESULTS IN NEOCATE SYNEO

SAFETY AND EFFICACY

Growth, safety & hypoallergenicity were demonstrated in infants with IgE or non-IgE mediated CMPA.^{3,7,8,10,12}

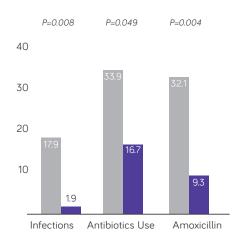
GUT MICROBIOTA

Infants have fewer infections, less medication use, and fewer hospital admissions with AAF+Syneo.⁹

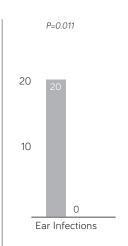
IMMUNE SYSTEM

Gut bacteria closer to that of healthy breastfed infants, with increased levels of Bifidobacteria and reduced levels of clostridial groups.9,10

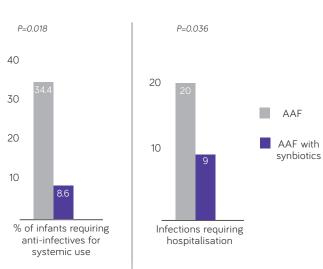
INFECTION OUTCOMES



Fewer infections and use of antibacterial for systemic use⁷



Fewer ear infections and use of anti-infectives^{3,8}



Fewer infections requiring hospitalisation 10

Syneo will help transform the dietary management of Cow's Milk Protein Allergy, strengthening the immune system via modulation of the gut microbiota.^{9,10}

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- ¹² Harvey, B. M., Langford, J. E., Harthoorn, L. F., Gillman, S. A., Green, T. D., Schwartz, R. H., & Burks, A. W. (2014). Effects on growth and tolerance and hypoallergenicity of an amino acid-based formula with synbiotics. Pediatric research, 75(2), 343–351. https://doi.org/10.1038/pr.2013.211

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