

# SYNEO, COWS' MILK ALLERGY AND THE IMMUNE SYSTEM

SYNEO is the only cows' milk allergy (CMA) range to contain our unique mix of pre- and probiotics that work together to support the immune system.<sup>1-3</sup> But what is the link between the gut microbiota and the immune system, and how can SYNEO help?

**BREAST MILK: THE BEST POSSIBLE NUTRITION FOR INFANTS.**

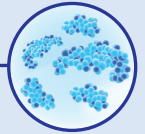
It contains everything they need for healthy growth and development. However, breast milk is more than just nutrition: it also contains numerous factors that support the developing immune system.

**BREAST MILK'S IMMUNE SUPPORTING FACTORS INCLUDE A UNIQUE AND COMPLEX BLEND OF:**

**Beneficial bacteria (probiotics),** including *Bifidobacterium* and *Lactobacillus*, that interact /crosstalk directly with immune cells.<sup>4,5</sup>

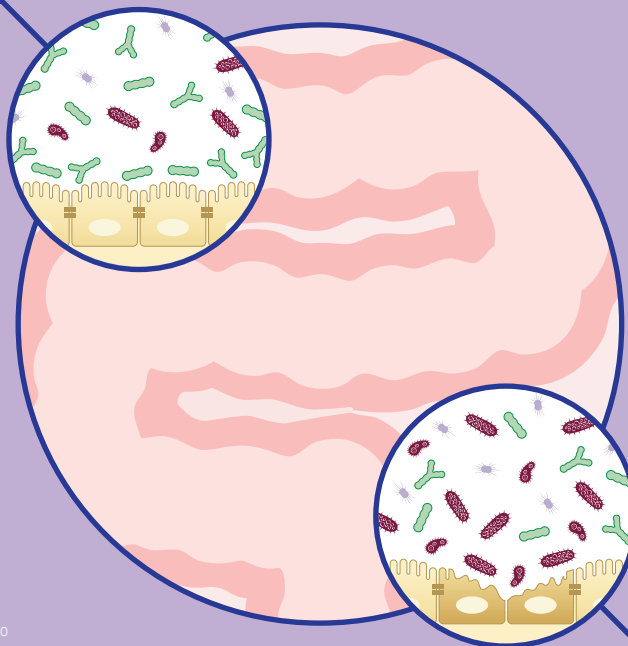


**Carbohydrates called oligosaccharides (prebiotics)** that encourage good bacterial growth.<sup>6</sup>



**BREASTFED INFANTS TEND TO HAVE MORE BENEFICIAL BACTERIA IN THEIR GUT COMPARED WITH FORMULA-FED INFANTS.**<sup>7,8</sup>

A balanced gut microbiota is associated with a healthy immune system that defends against pathogens but also tolerates harmless substances<sup>9,10</sup> such as pollen and milk protein.



An imbalanced gut microbiota – also called gut microbiota dysbiosis – is linked with an increased risk of allergies and infections, particularly in early life.<sup>11-13</sup>

**CMA BABIES ARE UP TO FOUR TIMES MORE LIKELY TO GET INFECTIONS**<sup>14,15</sup>

**ONGOING INFECTIONS AND ADDITIONAL MEDICATION ADDS ADDITIONAL COSTS TO HEALTHCARE SYSTEMS**<sup>16-18</sup>

**INFANTS WITH CMA HAVE LESS HEALTHY GUT MICROBIOTA, WITH HIGHER LEVELS OF HARMFUL BACTERIAL SPECIES VS BENEFICIAL BACTERIA.**<sup>19-21</sup>

Repeated use of antibiotics to manage infections causes dysbiosis of the gut microbiota,<sup>22,23</sup> which in turn can leave infants more susceptible to further infections.<sup>24</sup>

This cycle of infections can lead to negative consequences for the infant and the family.<sup>25,26</sup>

**SYNEO BRINGS OUR FORMULATIONS CLOSER TO BREAST MILK THAN OTHER HYPOALLERGENIC FORMULAS TO SUPPORT THE IMMUNE SYSTEM**<sup>1-3,21</sup>

**Beneficial bacteria (probiotic *Bifidobacterium breve* M-16V)** from the same bifidobacteria family as those found in **breast milk**, helps the development of a healthy immune system<sup>27-29</sup>

**Prebiotic oligosaccharides (scGOS/lcFOS (9:1) or scFOS/lcFOS (9:1))** that provide food for the beneficial bacteria

**IN THREE CLINICAL TRIALS, IN CMA INFANTS, SYNEO HAS BEEN SHOWN TO:**<sup>1-3,21,29</sup>

**REBALANCE THE GUT MICROBIOTA CLOSER TO HEALTHY BREASTFED BABIES**

**HAVE FEWER REPORTS OF INFECTIONS**

**DEMONSTRATE CONSISTENT SIGNALS ON A BROAD RANGE OF IMMUNE-RELATED EVENTS**

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For healthcare professionals only.