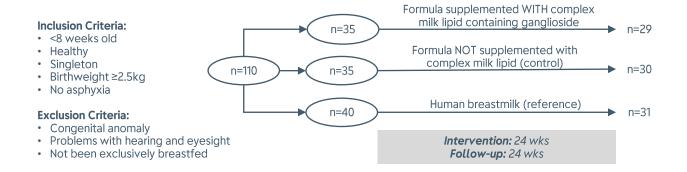
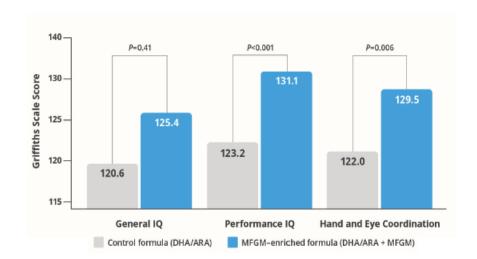
Association of complex lipids containing gangliosides with cognitive development of 6-month-old infants

Gurnida DA, Rowan AM, Idjradinata P, Muchtadi D, Sekarwana N. Early Hum Dev. 2012 Aug;88(8):595-601.

Objective: To assess the impact of infant formula supplemented with gangliosides from complex milk lipid on cognitive functions of normal healthy infants.



ENDPOINTS	FINDINGS (Supplemented formula vs control formula)
Neurodevelopment	Griffith Mental Development Scale Higher hand and eye coordination IQ, performance IQ and general IQ scores No difference in locomotor IQ, personal-social IQ, and hearing and speech IQ scores
Growth	No difference in growth parameters
Biochemical	 Higher serum ganglioside level No difference in haemoglobin, ferritin and total iron binding capacity



Conclusion: Supplementation of infant formula with complex milk lipid to enhance ganglioside content appears to have beneficial effects on cognitive development in healthy infants aged 0–6 months, which may be related to increased serum ganglioside levels.