

MMF case series: M03

Remarkable weight gain of 33.25 grams/day achieved in an ELBW baby through fortification with human milk derived fortifier (MMF)

Case no: 3

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An extremely low birth weight (ELBW) baby boy, born prematurely at 31 weeks gestation weighing 990 g was admitted in NICU. Trophic feeds were started with mother's own milk and feed volume was slowly increased along with IV nutrition for 4 days, fortification was started on day 8 of life with human milk derived fortifier (NeoLact MMF 1 g) when the baby reached feed volume of 100 ml/kg/day. Fortification with NeoLact MMF was continued till 16 days in NICU, baby had a good overall growth with mean weight gain of 33.25 grams/day. There was no requirement for antibiotics as there were no episodes of infections/sepsis during the period of fortification. Fortified feeds were well tolerated by the baby.

Baseline parameters and outcomes



Gestational age
31 Weeks




Birth Weight
990 grams



MMF
Fortification started at
100 ml/kg/day



Duration of fortification
16 days



Mean weight gain per day
33.25 grams



Feed intolerance episodes during fortification
0 (None)



Weight @ start of fortification
1120 grams



Weight @ discharge
1652 grams



Antibiotic use during fortification
0 (None)



Infections/Sepsis during fortification
0 (None)

Remarks: Fortification with human milk derived fortifier (NeoLact MMF) can provide optimal weight gain to premature and ELBW infants in addition to the advantages of 100% human milk diet.