MMF case series: M01

A 27 week, 800 gm EUGR baby achieving optimal growth through human milk derived fortifier

Case no: 1

June 2020

Dr. Rakesh Kotha

Hyderabad

A baby boy, born at 27 weeks gestation weighing 800 g was admitted in NICU. Parenteral nutrition was initiated along with trophic feeds with mother's own milk. However, the baby presented signs of EUGR and hence as feeds were slowly increased, early fortification was introduced at feed volume of 60 ml/kg/day with human milk derived fortifier (NeoLact MMF 1 g), 1 g in 25 ml of mother's own milk.

Fortification was continued for 25 days following which baby had a good overall growth and average weight gain/day was 19.44 grams. Antibiotics were stopped after 3rd day of starting fortification and there was no requirement of restarting antibiotics. Baby did not develop any infections during the period of fortification. Also, there were no incidences of feed intolerance during the period of fortification with the human milk derived fortifier (NeoLact MMF).

Baseline parameters and outcomes

Gestational age
27 Weeks

Birth Weight
800 grams

MMF

Fortification started at
60 ml/kg/day

Weight@ start of fortification
841 grams

Duration of fortification
25 days

Weight @ end of fortification
1327 grams

gms

Mean weight gain per day
19.44 grams

Antibiotic use during fortification
3 days

Infections / Sepsis During fortification
0 (none)

Feed intolerance episodes during fortification
0 (none)

Remarks: Early fortification with human milk derived fortifier (NeoLact MMF) can be considered in ELBW babies without increasing the risk of feed intolerance.