Supplementary table. Growth outcomes at 36 weeks PMA in extremely preterm infants 24 to 26 weeks of gestation using the Fenton growth curves and cognitive outcomes at 2 years of age

| Growth outcome                                    | z score cutoff | CCS BSID-III < 70 | CCS BSID-III < 85 | Risk Ratio (RR) and adjusted Risk Ratio (aRR)\(^{(a)}\) for CCS BSID-III < 85 |
|---------------------------------------------------|----------------|-------------------|-------------------|---------------------------------------------------------------------------------|
| Usual definition of PGF\(^{(b)}\)                 |                |                   |                   |                                                                                  |
| Weight z score at 36 weeks PMA                    |                |                   |                   |                                                                                  |
| -1.3                                              | Yes            | 31/235 (13)       | 75/235 (32)       | RR: 1.41; 95% CI: 0.96 – 2.08; p =0.07 \(aRR: 1.29; 95% CI: 0.83 – 2.07; p=0.26\) |
|                                                   | No             | 4/115 (3)         | 26/115 (23)       |                                                                                  |
| Current definition of malnutrition\(^{(c)}\)      |                |                   |                   |                                                                                  |
| Decline in weight z score from birth to 36 weeks PMA |                |                   |                   |                                                                                  |
| None                                              |                 | 6/40 (15)         | 11/40 (28)        | RR: 0.98\(^{(d)}\); 95% CI: 0.67 – 1.44; p=0.92 \(aRR: 0.96; 95% CI: (0.61 – 1.56); p=0.86\) |
| Mild                                             | -0.8 to 1.2    | 3/42 (7)          | 13/42 (31)        |                                                                                  |
| Moderate to severe                                 | >1.2           | 26/268 (10)       | 77/268 (29)       |                                                                                  |
| Alternative definition of PGF\(^{(e)}\)          |                |                   |                   |                                                                                  |
| Weight z score at 36 weeks PMA                    |                |                   |                   |                                                                                  |
| -1.9                                              | Yes            | 24/158 (15)       | 56/158 (35)       | RR: 1.51; 95% CI: 1.09 - 2.10* \(aRR: 1.39; 95% CI: 0.92 – 2.07; p=0.11\)       |
|                                                   | No             | 11/192 (6)        | 45/192 (23)       |                                                                                  |
| Alternative definition of malnutrition\(^{(f)}\)  |                |                   |                   |                                                                                  |
| Decline in weight z score from birth to 36 weeks PMA |                |                   |                   |                                                                                  |
| - 2.3                                             | Yes            | 7/82 (8)          | 18/82 (22)        | RR: 0.71; 95% CI: 0.45 – 1.10; p=0.11 \(aRR: 0.69; 95% CI: 0.40 – 1.14; p=0.16\) |
|                                                   | No             | 28/268 (10)       | 83/268 (31)       |                                                                                  |

\(^{(a)}\) Adjusted for gestational age at birth, age at follow-up, and the following in-hospital comorbidities: PVL, meningitis, IVH grade 3 or 4, BPD treated with postnatal steroids, proven NEC (stage 2 or greater).

\(^{(b)}\) As usually defined according to birth percentiles (< 10\(^{th}\) percentile), Fenton et al. (1)

\(^{(c)}\) As recently proposed in a consensus statement, Goldberg et al. (12)

\(^{(d)}\) None or mild vs. moderate or severe

\(^{(e)}\) As determined by a classification tree method that dichotomized weight z score data at 36 weeks PMA based on the probability of cognitive delay.

\(^{(f)}\) As determined by a classification tree method that dichotomized weight z score data from birth to 36 weeks PMA based on the probability of cognitive delay.

\(^*\) p <0.05