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| --- | --- | --- | --- | --- | --- | --- |
| **Table 3. Numbers and adjusted risk ratios (95% confidence intervals) for the composite outcomes of BPD or death1, and survival without major neonatal morbidity2 according to PDA treatment (Y/N) or type of PDA treatment in 19 European regions with low (<15%), medium (15-25%) or high proportions (>25%) of PDA treatment.** | | | | | | |
|  | **Low**  **N=2,875** | | **Medium**  **N=3,417** | | **High**  **N=604** | |
| No. of events | **aRR (95% CI)3** | No. of events | **aRR (95% CI)3** | No. of events | **aRR (95% CI) 3** |
| **COMPOSITE OUTCOME OF BPD OR DEATH1** | | | | | | |
| No PDA treatment | 523 | 1.00 (ref) | 327 | 1.00 (ref) | 45 | 1.00 (ref) |
| Any PDA treatment | 228 | 1.26 (1.06-1.49) | 294 | 1.34 (1.12-1.61) | 96 | 2.20 (1.47-3.28) |
| **By type of PDA treatment** | | | | | | |
| Pharmacological treatment only | 166 | 1.21 (0.98-1.50) | 205 | 1.27 (1.05-1.55) | 68 | 2.11 (1.40-3.17) |
| Surgery after pharmacological treatment | 36 | 1.36 (0.94-1.98) | 72 | 1.51(1.22-1.86) | 17 | 2.66 (1.41-5.02) |
| Surgery without prior pharmacological treatment | 26 | 1.45 (1.20-1.75) | 17 | 1.79 (1.27-2.53) | 11 | 2.76 (1.45-5.24) |
| **SURVIVAL WITHOUT MAJOR NEONATAL MORBIDITY2** | | | | | | |
| No PDA treatment | 2091 | 1.00 (ref) | 2321 | 1.00 (ref) | 349 | 1.00 (ref) |
| Any PDA treatment | 223 | 1.03 (0.94-1.13) | 522 | 1.03 (0.96-1.10) | 165 | 0.98 (0.88-1.09) |

1. Any oxygen treatment at 36 weeks of postmenstrual age (PMA) or death before 36 weeks PMA.

2. Survival to hospital discharge without intra-ventricular hemorrhage (IVH) grade≥3, cystic periventricular leukomalacia (cPVL), retinopathy of prematurity (ROP) stage ≥3, surgical NEC. Total N=6,335 survivors.

3. Results from a generalized linear mixed model adjusted for propensity score for PDA treatment. The propensity score for PDA treatment, i.e., a single index variable summarizing the pre-treatment perinatal characteristics, was estimated from presence of preeclampsia/eclampsia, spontaneous onset of labor, preterm premature rupture of membranes (pPROM), maternal infection as indication for delivery, antenatal corticosteroid treatment, mode of delivery, gestational age, birth weight, infant sex, small for gestational age and use of mechanical ventilation on first day of life.