**Table, Supplemental Digital Content 3.** Sensitivity analysis of the association of anesthetic exposure before the age of 3 years with any learning disability (LD) (reading, mathematics, or written language) with all children receiving at least one myringotomy excluded.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Unadjusted | | Covariate Adjusted 1\* | | Covariate Adjusted 2\*\* | |
|  | Hazard Ratio (95% CI) | p value | Hazard Ratio (95% CI) | p value | Hazard Ratio (95% CI) | p value |
| ***Children with myringotomy excluded*** |  |  |  |  |  |  |
| **No. of anesthesia exposures** |  | 0.043 |  | 0.045 |  | 0.072 |
| 0 (n=463) | Reference |  | Reference |  | Reference |  |
| 1 (n=289) | 0.95 (0.62 to 1.47) | 0.828 | 0.92 (0.60 to 1.42) | 0.714 | 1.03 (0.66 to 1.60) | 0.909 |
| ≥2 (n=49) | 2.12 (1.14 to 3.96) | 0.018 | 2.08 (1.11 to 3.89) | 0.022 | 2.11 (1.10 to 4.07) | 0.025 |

\* Adjusting for sex, birth weight, gestational age, and mother’s education.

\*\* Adjusting for sex, birth weight, gestational age, mother’s education, and socioeconomic status.

This analysis excluded all children who received at least one myringotomy (168 singly-exposed children and 67 multiply-exposed children).  Due to the restricted subset of patients analyzed, models were not stratified and only covariate adjusted models were reported.