

Table 2. Infant lung growth and function measurements after 6 months corrected age.

| | AS (n=12) | NoAS (n=13) | P value |
|---|---------------|--------------|---------|
| Age at PFT, months, mean (SD) | 8.2 ± 1.66 | 7.6 ± 1.88 | 0.40 |
| Weight at PFT, kg, mean (SD) | 8.39 ± 1.62 | 8.73 ± 1.67 | 0.61 |
| Length at PFT, cm, mean (SD) | 69 ± 3.5 | 67 ± 10 | 0.50 |
| Alveolar Volume [V_A], mL, mean (SD) | 489 ± 148 | 556 ± 189 | 0.32* |
| Lung Diffusion Capacity [DLCO], mL/min/mmHg, mean (SD) | 3.43 ± 1.3 | 3.60 ± 1.2 | 0.53* |
| | | | |
| | (n=16) | (n=18) | |
| Tidal Volume, mL/kg, mean (SD) | 8.7 ± 1.24 | 9.0 ± 1.23 | 0.42 |
| Compliance [Crs], mL/ cmH ₂ O/ per kg, mean (SD) | 1.15 ± 0.21 | 1.20 ± 0.24 | 0.38 |
| Resistance [Rrs] , cmH ₂ O/mL/sec | 0.049 ± 0.015 | 0.046 ± 0.01 | 0.59 |

Definition of abbreviations: AS = infants exposed to 1 or 2 doses of betamethasone prior to delivery; NoAS = infants who were never exposed to betamethasone prior to delivery; PFT = pulmonary function test

*ANOVA was used to compare V_A and DLCO between the AS and No AS groups adjusting, gestational age at delivery, gender and length at the time of testing