

**Table 2.** Comparison of measured PIP<sup>a</sup> and number of detected lesion in pharyngolaryngeal space by flexible bronchoscopy with four different durations of sustained pharyngeal inflation (SPI) support.

| <b>SPI study</b>                                   | <b>Variables in different SPI durations</b> |            |             |                |          |
|--|---|------------|-------------|----------------|----------|
| <b>Mode</b>  | Control                                     | A          | B           | C              | <i>p</i> |
| <b>Duration</b>                                    | 0   | 1          | 3           | 5              |          |
| <b>Intra-pharyngeal PIP (SD), cmH<sub>2</sub>O</b> | 4.1 (3.3)                                   | 21.9 (7.0) | 42.2 (12.3) | 65.5 (18.5)    | <0.001   |
| <b>Lumen expansion score</b>                       | 1.1 (0.2)                                   | 2.5 (0.3)  | 3.5 (2.5)   | 4.5 (0.2)      | <0.01    |
| <b>Detected lesion</b>                             |   |            |             |                |          |
| <b>Pharynx</b>                                     |   |            |             |                |          |
| Pharyngomalacia                                    | 1   | 2          | 2           | 2              |          |
| Uvula cyst   |   |            | 1           | 1              |          |
| Epiglottis cyst                                    |   | 1          | 1           | 1              |          |
| Vallecular cyst with laryngomalacia                |   | 1          | 1           | 1              |          |
| Supraglottic collapse                              |   | 1          | 1           | 1              |          |
| <b>Larynx</b>                                      |   |            |             |                |          |
| Laryngomalacia                                     | 1   | 1          | 1           | 2 <sup>b</sup> |          |
| Laryngeal cleft                                    |   |            |             | 1              |          |
| Vocal cords palsy and thickness                    | 1   | 1          | 1           | 1              |          |
| Glottis malacia                                    | 0   | 1          | 1           | 1              |          |
| <b>Total lesion number (%)</b>                     | 3 (27.3)                                    | 7 (63.6)   | 8 (72.7)    | 11 (100)       | 0.004    |
| <sup>c</sup> <i>p</i>                              |   | 0.087      | 0.033       | <0.001         |          |

<sup>a</sup>peak inflation pressure, <sup>b</sup>one lesion detects below the vallecular cyst, <sup>c</sup>chi-square test and post hoc Bonferonni correction