**Supplementary File 3**. Different categories of postoperative pulmonary complications in patients with and without a diaphragmatic excursionof the operated side < 10 mm 24 hours after operation.

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| --- | --- | --- | --- | --- |
| *Postoperative pulmonary complications*  | All patients(n=75) | Diaphragmatic dysfunction(n = 51) | Non-diaphragmatic dysfunction (n = 24) | p-value |
| At least one PPC | 39 (52) | 33 (65) | 6 (25) | 0.001 |
| Hypoxaemia | 22 (29) | 19 (37) | 3 (13) | 0.028 |
| Severe hypoxaemia | 15 (20) | 12 (24) | 3 (13) | 0.265 |
| Bronchospasm | 5 (6) | 2 (4) | 3 (13) | 0.165 |
| Suspected pulmonary infection | 24 (32) | 19 (37) | 5 (21) | 0.155 |
| Pulmonary infiltrate | 18 (24) | 15 (29) | 3 (13) | 0.110 |
| Atelectasis | 21 (28) | 18 (35) | 3 (13) | 0.040 |
| Pleural effusion | 12 (16) | 11 (22) | 1 (4) | 0.055 |

Percentage data are shown as n (%). PPCs: postoperative pulmonary complications