



# Erratum to perioperative changes in respiratory impedance in lobectomy and their clinical impact

## Editorial Office

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Erratum to: *J Thorac Dis* 2021;13:1347-57

In the article that appeared on Page: 1347-1357, Vol 13, No 3 (March 2021) Issue of the *Journal of Thoracic Disease (JTD)* (1), the published figured legends should be corrected as follows.

**Figure 1** Changes in forced oscillatory (FOT) parameters during the perioperative period. Box plot showing the distribution of preoperative and postoperative values of FOT parameters. These values were compared for each patient and for each timing of measurement. Box plot key: upper horizontal line of the box, 75th percentile; lower horizontal line of the box, 25th percentile; horizontal bar within the box, median; upper horizontal bar outside the box, 90th percentile; lower horizontal bar outside the box, 10th percentile. Circles represent outliers. After surgery, R5, R20, R5-R20, Fres, and ALX increased significantly, whereas X5 decreased. No significant changes were observed between POD1 and POD7 in any of the parameters. ALX, low-frequency reactance area; Fres, resonant frequency; Rrs, respiratory system resistance; R5 and R20, Rrs at 5 and 20 Hz; R5-R20, the difference between R5 and R20; Xrs, respiratory system reactance; X5, Xrs at 5 Hz. \*\* $P < 0.01$  versus preoperative parameters; + $P < 0.05$  versus POD7 parameters.

**Figure 2** Changes in forced oscillatory (FOT) parameters during the perioperative period in respiratory disease subgroups. Box plot showing the distribution of preoperative and postoperative values of FOT parameters in each subgroup; control, chronic obstructive pulmonary disease (COPD), interstitial pneumonia (IP) and combined pulmonary fibrosis and emphysema (CPFE). These values were compared for each patient and for each timing of measurement. Box plot key: upper horizontal line of the box, 75th percentile; lower horizontal line of the box, 25th percentile; horizontal bar within the box, median; upper horizontal bar outside the box, 90th percentile; lower horizontal bar outside the box, 10th percentile. Circles represent outliers. There was no significant difference in FOT measurements between the subgroups, but there were significant differences in X5, Fres, and ALX on POD1. ALX, low-frequency reactance area; Fres, resonant frequency; X5, Xrs at 5 Hz. \* $P < 0.05$ .

**Figure 3** Changes in subjective symptoms' scores during the perioperative period. Box plot showing the distribution of preoperative and postoperative scores of modified Medical Research Council (mMRC) and modified COPD assessment test (mCAT). These scores were compared for each patient and for each timing of measurement. Box plot key: upper horizontal line of the box, 75th percentile; lower horizontal line of the box, 25th percentile; horizontal bar within the box, median; upper horizontal bar outside the box, 90th percentile; lower horizontal bar outside the box, 10th percentile. Circles represent outliers. After surgery, the mMRC and mCAT scores both increased. The mMRC score significantly improved from POD1 to POD7, whereas the mCAT score did not change. COPD, chronic obstructive pulmonary disease; mCAT, modified COPD assessment test; mMRC, modified Medical Research Council. \*\* $P < 0.01$  versus preoperative scores; ++ $P < 0.01$  POD1 versus POD7.

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## References

1. Kaku R, Yoden M, Shiratori T, et al. Perioperative changes in respiratory impedance in lobectomy and their clinical impact. *J Thorac Dis* 2021;13:1347-57.

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