

CORRECTION

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# Correction to: A short primer on lung stereology

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**Correction to: Ochs and Schipke *Respiratory Research* (2021) 22:305**

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Following publication of the original article [1], the authors identified errors in Table 3, Figure 1 and few headings style. It have been included in this correction.

The original article has been corrected.

1. Table 3 layout has been updated and given below
2. Formula in Figure 1 legend has been updated.

The total volume of type II cells,  $V(\text{type II})$ , is then obtained as

$$V(\text{type II}) = V(\text{lung}) \cdot V_V(\text{par/lung}) \cdot V_V(\text{alvsep/par}) \cdot V_V(\text{typeII/alvsep})$$

3. Heading level has been updated with the Capital letters

*Step 1: Planning your stereological study*

*Step 2: Preparation of lung tissue*

*Step 3: Definition and measurement of the reference space*

The original article can be found online at <https://doi.org/10.1186/s12931-021-01899-2>.

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**Table 3** The 7 crucial steps of a stereological study of the lung

Step	Points to consider
1. Planning your stereological study	Pilot study Target compartment Stereological parameters Sampling and analysis design
2. Preparation of lung tissue	Route of fixation Composition of fixative Post-fixation and processing Dehydration and embedding
3. Definition and measurement of the reference space	Fixed lung volume: - Archimedes principle - Cavalieri estimator
4. Sampling	Randomization of location: - Systematic uniform random sampling - Cascade sampling - Stratified sampling - Fractionator sampling Randomization of spatial orientation - Isotropic uniform random sections - Vertical sections
5. Doing the measurements	Dimension of stereological parameter of interest Dimension of geometric probe (test system) Disector for number estimation
6. How many counts are enough?	Accuracy Precision Coefficient of error
7. Reporting your methods and results	Total values Ratios and inverse of ratios Scatter plots Standard deviation

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**Reference**

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