

## Peer Review File

Article information: <https://dx.doi.org/10.21037/jtd-21-1527>.

### Reviewer A

Comment 1: Please mention the issue of dynamic CT.

Reply 1: We agree that dynamic CT as part of the quantitative CT evaluation is worth mentioning and added this to the text.

Changes in the text: Added 'and measure lung movement by using dynamic-ventilation CT' (page 3, line 18).

Comment 2. In the 6<sup>th</sup> para, each sentence following parentheses should start with a lower case letter.

Reply 2: We corrected this in the text.

Changes in the text: Replaced some capitals with lower case letters (page 2, line 1-4)

### Reviewer B

Comment 1: Page 2, 53<sup>rd</sup> line. I agree that quantitative assessment can be helpful in analyzing large dataset of CT scans such as lung cancer screening. Can the authors provide references for this example?

Reply 1: We provided two references to support this line.

Changes in the text: added the following references:

13. Mets OM, Buckens CFM, Zanen P, et al. Identification of chronic obstructive pulmonary disease in lung cancer screening computed tomographic scans. JAMA 2011;306(16):1775-1781.

14. Labaki WW, Xia M, Murray S, et al. Quantitative emphysema on low-dose CT imaging of the chest and risk of lung cancer and airflow obstruction. Chest 2021;159:1812-1820.

Comment 2: Page 3, 139<sup>th</sup> line. “Considering all things” is more appropriate expression than ““All things considered””.

Reply 2: Thank you for this suggestion. We corrected this in the text.

Changes in the text: replaced ‘All things considered’ by ‘Considering all things’ (page 3, line 27).