Review of: "Comparing Visual and Software-Based Quantitative Assessment Scores of Lung Parenchymal Involvement Quantification in COVID-19 Patients"

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Potential competing interests: No potential competing interests to declare.

The authors performed a retrospective observational study aimed at investigating the diagnostic accuracy of two different automated methods to determine the lung parenchymal involvement in COVID-19 patients.

The authors found:

- a good inter-rater agreement between two different radiologists using the Visual Quantitative Assessment Score
- a good agreement between VQAS and Iconlung (a deep learning AI tool, specifically developed to quantify ground glass opacity, crazy paving, and consolidation in COVID-19 patients)
- a moderate agreement between VQAS and CT-COPD (a semiautomated tool for lung segmentation)

The topic is interesting, the methodology sounds solid, and the paper adds substantial new knowledge to the present literature.

I have just a minor concern:

- I suggest using “Bland-Altman plot” instead of Bland-Altman test

Thank you for having chosen me to review this interesting paper.