**Cover letter**

Dear Editors,  
We would like to submit the manuscript entitled “Utilization of digital techniques to analyze the immunostainning of ZW10 interacting protein in human lung tissues” and wish it is qualified to be published in “Journal of Visualized Experiments”.

Our manuscript is approved by all authors for publication. No conflict of interest exits in the submission of this manuscript. The re-use of figure 1 was permitted by the journal “OncoTargets and Therapy”. The paper was cited in the present manuscript. All the authors listed have approved the manuscript that is enclosed. Ethics approval and written informed consent have been obtained.

In this work, we presented a methodology of immunostaining of human lung cancer tissues, digitized scanning of whole slides by Pannoramic MIDI and image analysis by QuantCenter software. We found that the H-SCORE of tumor was significantly higher than that of adjacent non-tumor tissues. In addition, we observed that the expression level of ZWINT in squamous cell carcinomas (SCC) was significantly higher than that in adenocarcinomas (ADC). Notably, we figured out the most critical steps, existing limitations and possible utilization areas of this method. Besides, we demonstrated the virtues of this method than conventional method. I hope this paper is suitable for “Journal of Visualized Experiments”.

We deeply appreciate your kind consideration of our manuscript, and we look forward to receiving comments from the reviewers. If you have any enquiries, please don’t hesitate to contact me at the address as below.  
Thank you!

Yours sincerely,  
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