

ACTA IMEKO – Response letter

A preliminary study on an Image Analysis based Method for Lowest Detectable Signal Measurements in PW Doppler Ultrasounds

Reviewer A

The work entitled "A preliminary study on an Image Analysis based Method for Lowest Detectable Signal Measurements in PW Doppler Ultrasounds" is very interesting and well structured. The English is good, not excellent, but the text is understandable and well written in all its parts. Excellent results even if a preliminary work. I hope to see future research developments published soon. I suggest a little revision of the English.

The Authors wish to thank the reviewer for his/her kind comments. We revised the manuscript to fix English errors.

Reviewer B

The paper entitled "A preliminary study on an Image Analysis based Method for Lowest Detectable Signal Measurements in PW Doppler Ultrasounds" focuses on proposing and validating a novel image analysis based method for the estimation of the Lowest Detectable Signal in the spectrogram image (LDSIMG), namely Automatic Doppler Sensitivity Measurement Method (ADSMM), as well as to compare its results with the outcomes retrieved from the Naked Eye Doppler Sensitivity Method (NEDSM), based on the mean judgment of three independent observers. The paper is interesting and well written and match with the aims of the Journal. A minor concerns deals with references that does not includes measurement journal papers.

The Authors wish to thank the reviewer for his/her kind comments. We added the suggested references in the manuscript.