Date: 10 September 2013

Author's response to reviews:

Title: Assessment of anterior chamber depth measurements using the Orbscan II ultrasound biomicroscope and Artemis-2 VHF scanner

Authors:

Haya M Al Farhan Ph.D (halfarhan@ksu.edu.sa)

Version: 3

Dear Editors,

I would like to ask you to consider the enclosed manuscript entitled "Agreement between the Orbscan II, VuMAX UBM and Artemis-2 very-high frequency ultrasound scanner for the measurement of anterior chamber depth" for publication in BMC ophthalmology Journal as an original article.

Abundant studies have compared the "anterior chamber depth ACD measurements obtained using Orbscan II, Visante Optical Coherence Tomograph, Pentacam rotating Scheimpflug camera, ultrasound biomicroscopy and the Artemis-2 VHF scanner. The aim of this study was to assess the repeatability and agreement of ACD measurements obtained using the Orbscan II topography system, UBM, and Artemis-2 VHFUS. To my knowledge this first study to compare measurements of ACD Orbscan II, ultrasound biomicroscopy and the Artemis-2 VHF scanner on normal subjects.

My study is the first to explore the issue comprehensively. The result indicate that the three instruments show high repeatability. UBM and the Artemis-2 VHFUS can be used interchangeably; however, the Orbscan II cannot be used interchangeably with UBM or the Artemis-2 VHFUS.

This manuscript has not been published or presented elsewhere in part or in entirety, and is not under consideration by another journal. All study participants provided informed consent, and the study design was approved by the appropriate ethics review boards. All the authors have approved the manuscript and agree with submission to your esteemed journal. There are no conflicts of interest to declare.

Thank you for your consideration. I look forward to hearing from you.
Yours sincerely,

Dr. Haya M. AlFarhan