



**Figure S1: Linear regression fit of measured vs synthetic ECV at mid-septum for published model.**

Similar regression fit to that of synthetic ECV at the mid-free wall (A) with similar 1.2% bias on Bland-Altman analysis (B). Dashed line in A represents line of identity. For Bland-Altman plot, solid line represents mean difference and dashed Dotted lines in Bland-Altman plot (B) are  $\pm 1.96SD$ .