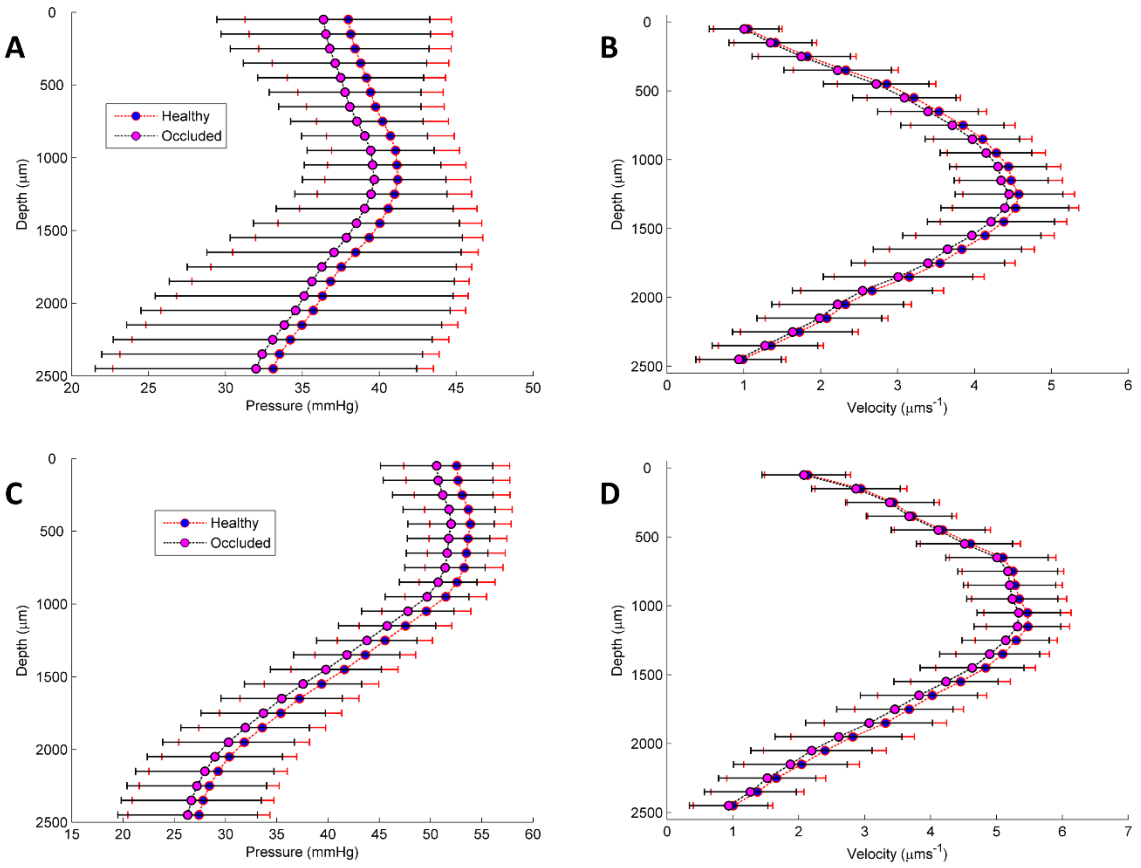
Supplementary Material 4 – Depth dependent pressure and flow profiles

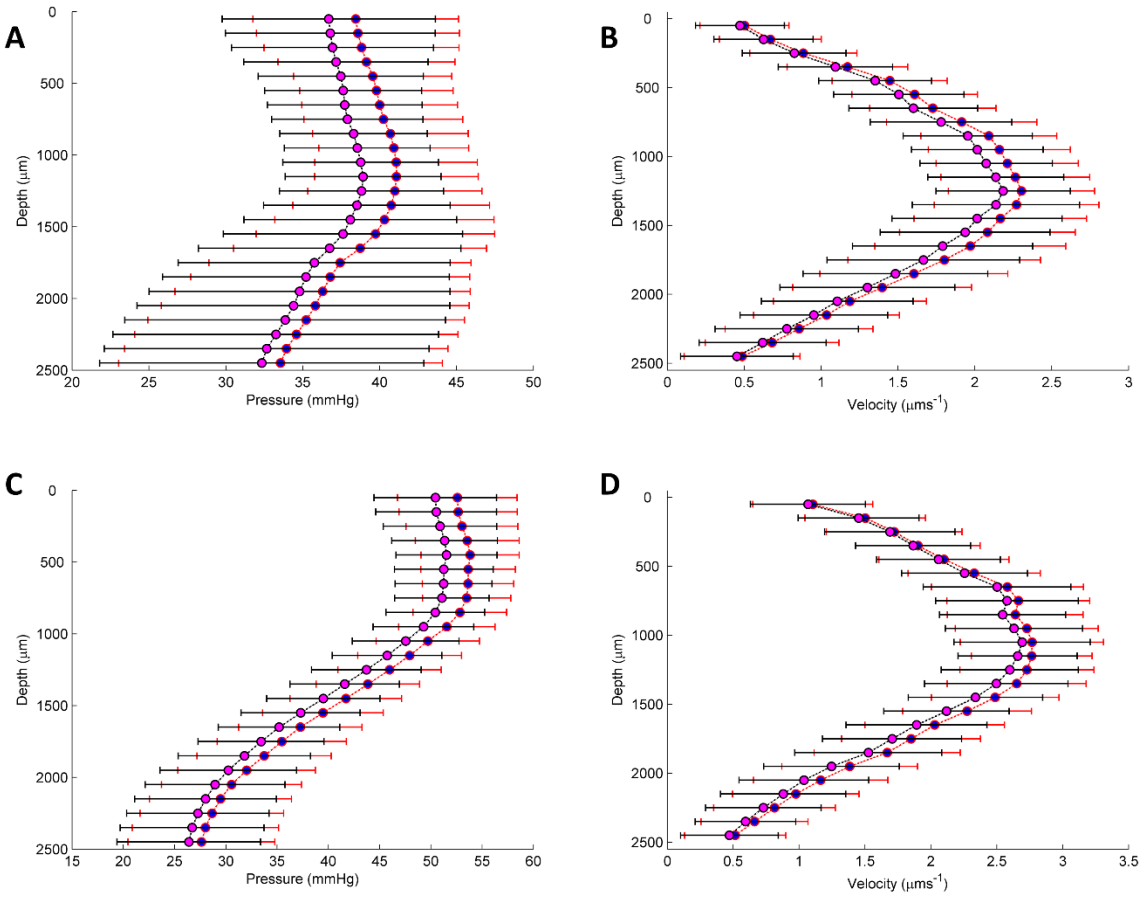
Comparison of the depth dependent pressure and flow layer profiles. Firstly, averaged over the full 1 x 1 mm area of the voxel; then averaged over a 0.5 x 0.5 mm area of the voxel centred on the occluded vessel (averaged over 100 simulations).

Averaged over the 1 x 1 mm area of the voxel



S.4.1 a,b) 1-D planar averaged depth profiles of pressure and total velocity for the case 1 configuration. c,d) 1-D planar averaged depth profiles of pressure and total velocity for the case 2 configuration. Blue solid circles – Healthy vasculature; Magenta solid circles – Occluded vasculature. Averaged over entire 1 x 1 mm area of voxel.

Averaged over a 0.5 x 0.5 mm area centred on the occluded vessel.



S.4.2 a,b) 1-D planar averaged depth profiles of pressure and total velocity for the case 1 configuration. c,d) 1-D planar averaged depth profiles of pressure and total velocity for the case 2 configuration. Blue solid circles – Healthy vasculature; Magenta solid circles – Occluded vasculature. Averaged over a 0.5 x 0.5 mm area centred on the occluded vessel.