



SUPPLEMENTARY FIGURE 1: (A) Histological studies of the 3D reconstructed AV tissue grown in CM, using collagen gel as a scaffold, at 20X magnification. (B) Immunofluorescence of the AV tissue grown in 3D cultures for 30 days in CM, at P0 and at 40X magnification. Blue stain: DAPI stained nuclei; red stain: Alexafluor 594 nm fluorescence for different markers as indicated. Scale bar is 100  $\mu$ m.