

Supplementary material

Pneumatically Actuated Microfluidic Platform for Reconstituting 3D Vascular Tissue Compression

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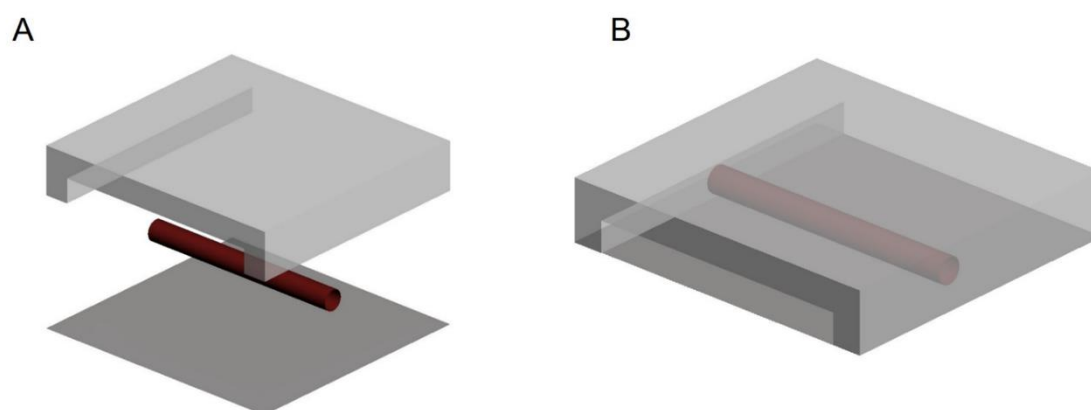


Figure S1. Simplified model to predict the deformation of PDMS membrane (gray) and blood vessel (dark red).

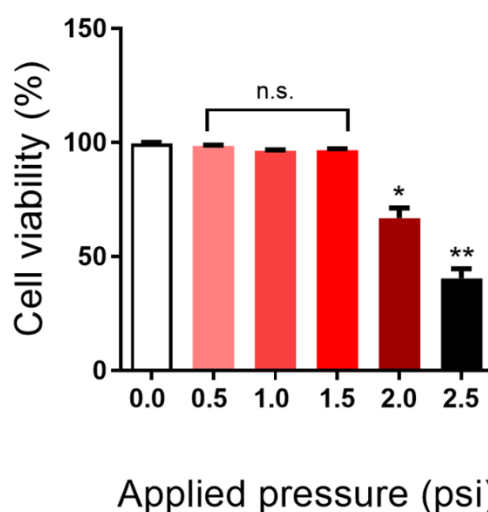


Figure S2. Endothelial cell viability according to different pressure.

Supplementary material-Movie S1. FEA modeling of the PDMS membrane deformation.

Supplementary material-Movie S2. FEA modeling of the blood vessel deformation.

Supplementary material-Movie S3. The effect of compressive stress to 3D perfusable microvessel network: microbead flowing test.