Supplementary Information

Figure S1: Comparison of HUVEC morphologies on different ceramic substrates and glass after 24 h incubation time.

Figure S2: Comparison of MSC morphologies on different ceramic substrates and glass after 24 h incubation time.
Figure S3: SEM view of blood cells on a glass surface. Cell types are depicted by different colors: green – active platelets, violet – resting platelets, blue – monocytes, yellow – active monocytes, red – erythrocytes.

Figure S4: Plasma protein deposition (1), platelet activation (2), and thrombus formation (3).

Figure S5: Protein adsorption on ceramic surfaces was measured using a BCA kit. Except poly-SiC, ceramic surfaces can be assessed as bioinert, since adsorption values on our samples were comparable to glass.