Supplementary Fig. 1. Effects of fluid shear stress on ER stress pathway in endothelial cells.

Expressions of ER stress markers in endothelial cells under fluid conditions. HUVECs were cultured under static, LSS (A), or OSS (B) conditions for the indicated time. The expression levels of ER stress markers, including phospho-PERK, phospho-eIF2α, and p50 ATF6, were detected by Western blotting.
Supplementary Fig. 2. Effects of UDCA on phosphorylation of eNOS in endothelial cells under OSS.

HUVECs were cultured under static or OSS conditions for 30 min with or without UDCA (100 μM). The expression level of phospho-eNOS (Ser-1177) was detected by Western blotting. *P < 0.05, Static vs. OSS. #P < 0.05, OSS vs. OSS + UDCA. Error bars: SEMs.