Supplementary Material

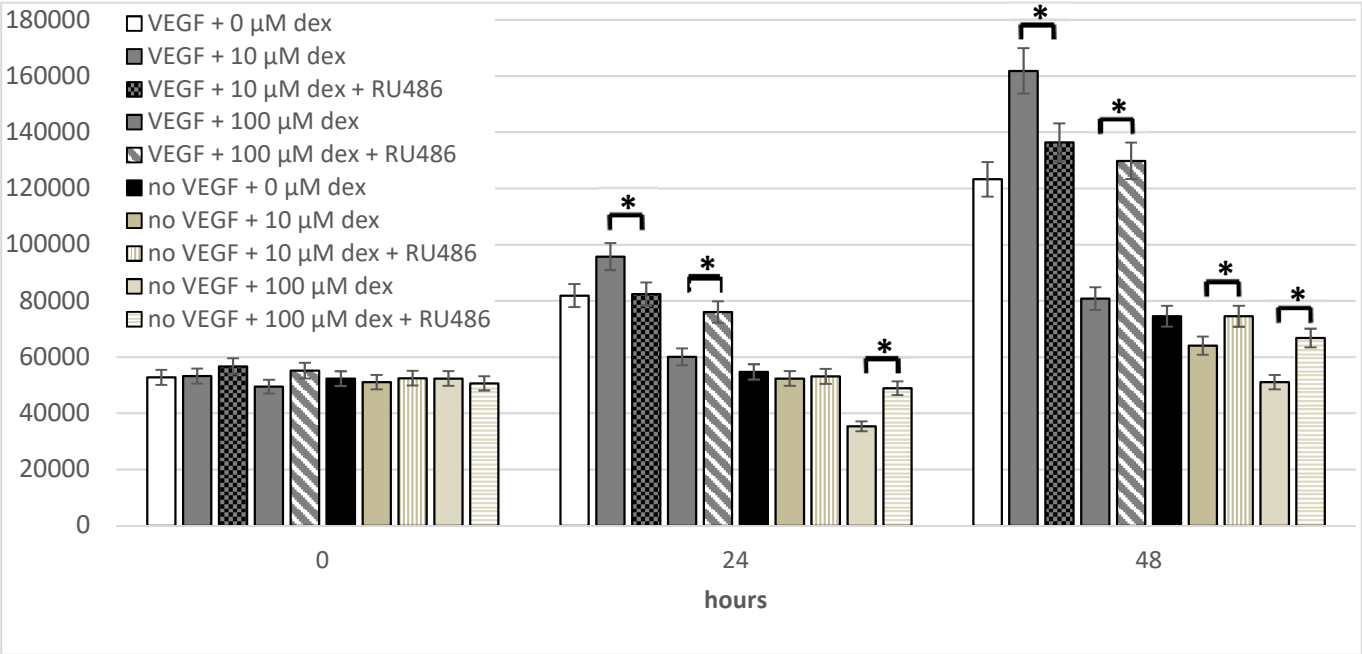

Figure S1.. Viability assay of HUVECs after 0, 24, and 48 h in HM1 medium (with VEGF) or in HM1-V medium (without VEGF) and dex (10, 100 µM) and GR antagonist RU-486 (10µM). Results are presented as bar charts, error bars show the standard deviation (n = 3). A p value < 0.05 indicates statistical significance (* $p < 0.05$), n.s. = non-significant. Significant changes are only indicated for dex with and without GR antagonist, to illustrate the reverse effects after addition of inhibitor.

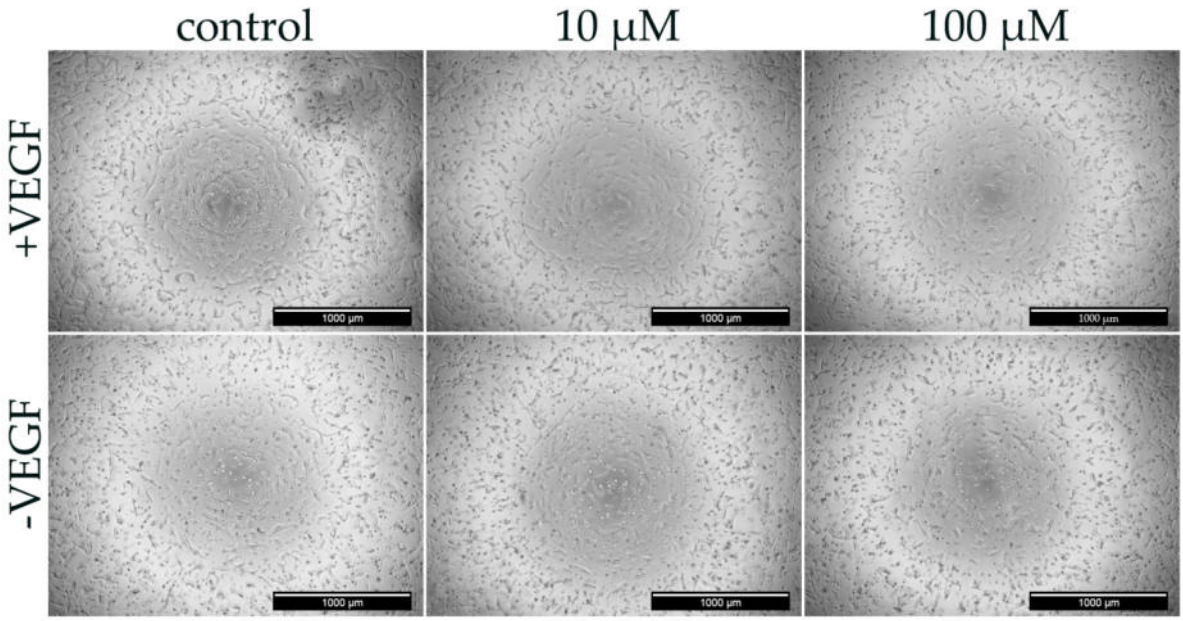

Figure S2. Representative images of the TLS after 24 h. HUVECs were maintained in HM1 with VEGF or in HMV-1 without VEGF and incubated with 10 µM and 100 µM dex.

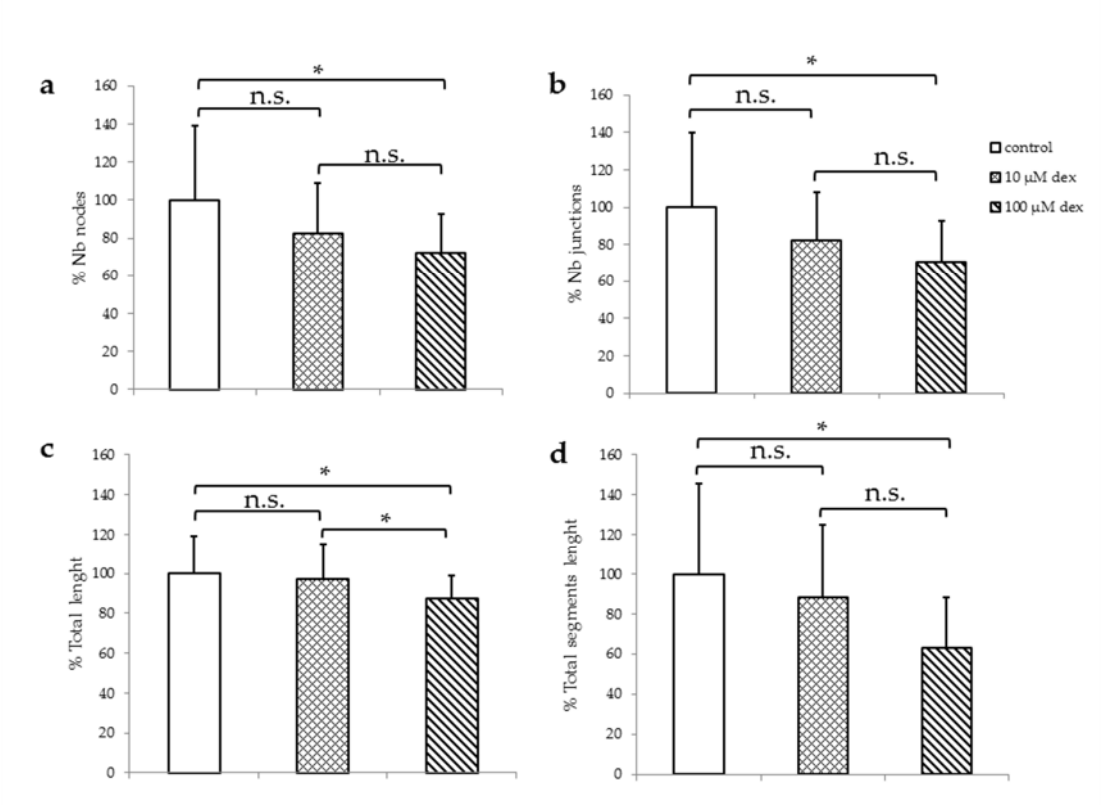

Figure S3. TLS assay of HUVECs after 24 h in HMV-1 (medium without VEGF) with 10 and 100 µM dex. Results are presented as bar charts, error bars show the standard deviation (n = 3). Quantitative analyses were performed for number of nodes (a), number of junctions (b), total length (c), and the total segments length (d). Data were normalized to a control of 100%. A p value < 0.05 indicates statistical significance (* $p < 0.05$), n.s. = non-significant.

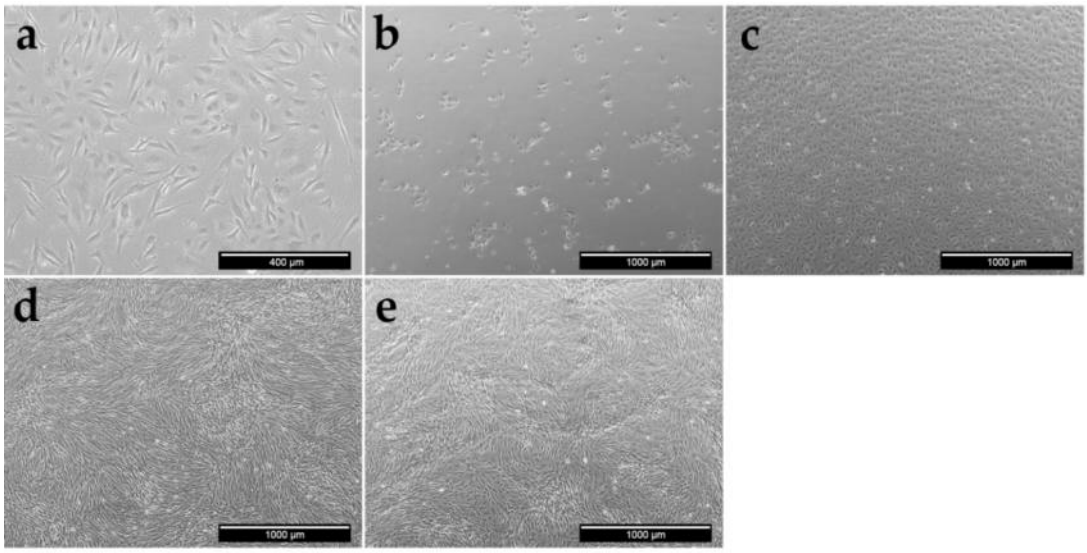

Figure S4. Representative images of the co-culture evaluation. Cells are shown in mono as well as in co-culture using different media compositions. a: Co-culture in HM1/MM1, (1:2), b: HUVECs in DM, c: HUVECs in HM1/DM, (1:2), d: Co-culture in HM1/DM, (1:2), e: Co-culture in DM.

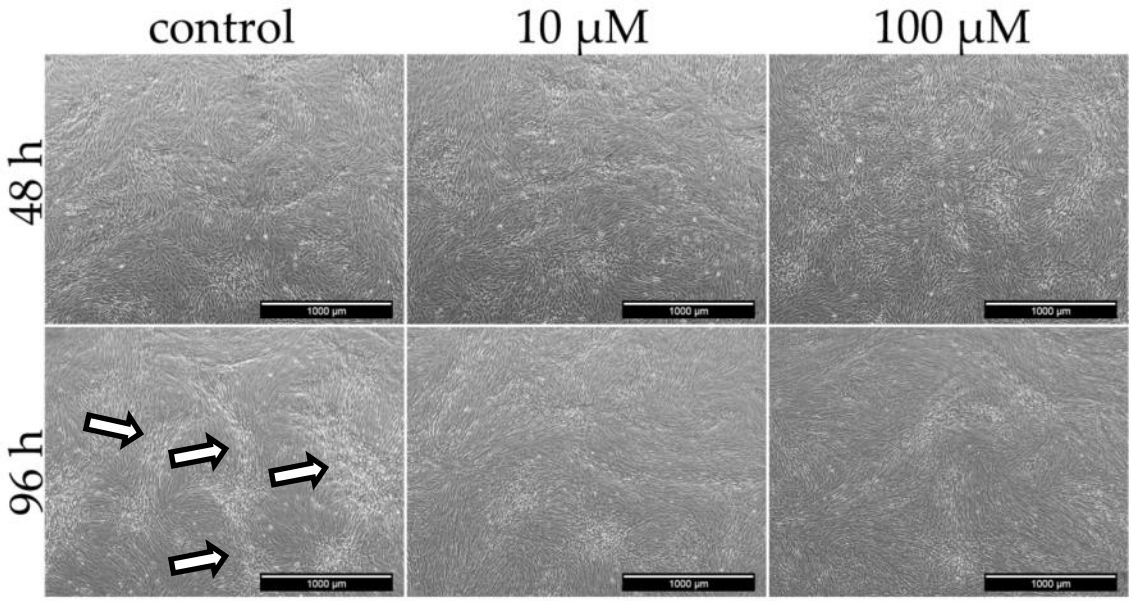

Figure S5. Representative images of the co-culture after 48 and 96 h incubation with 10 and 100 µM dex.