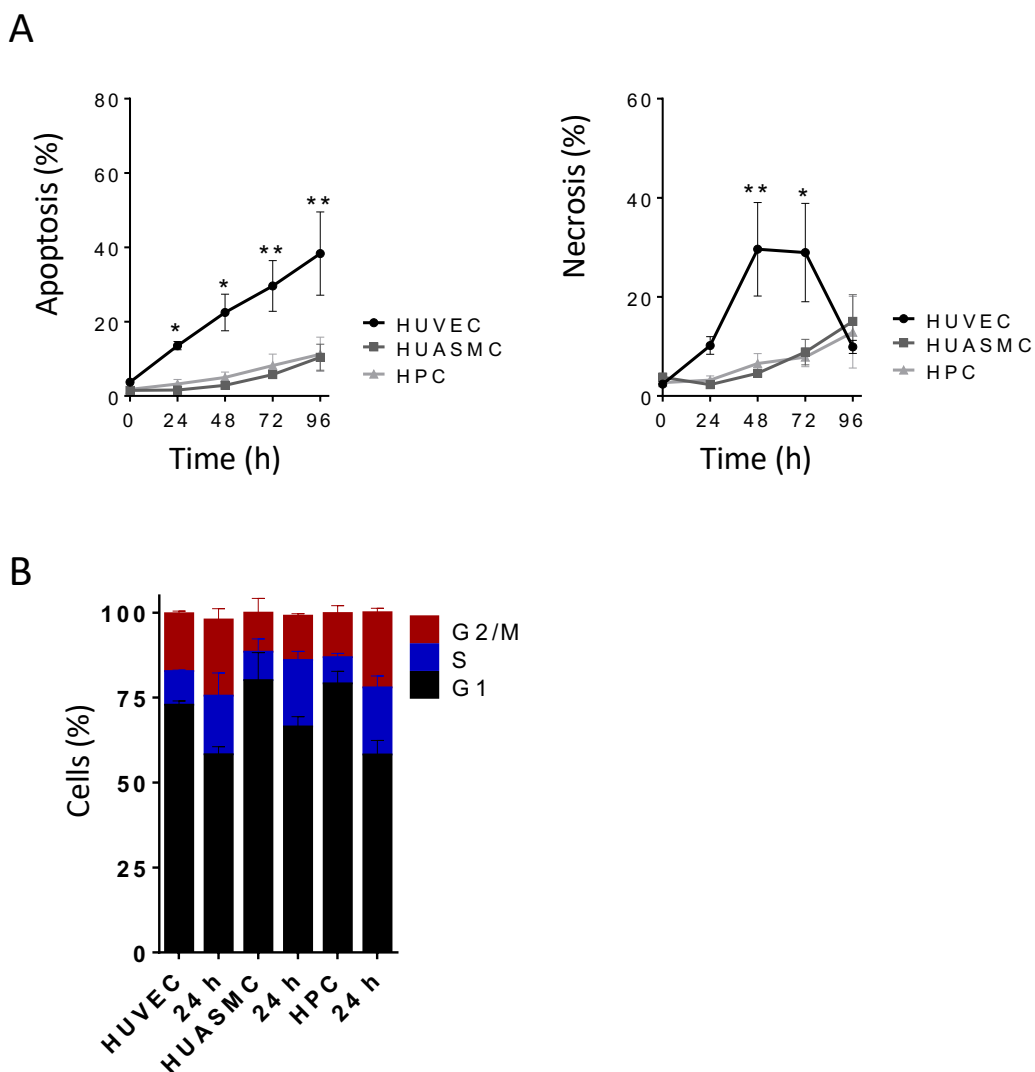
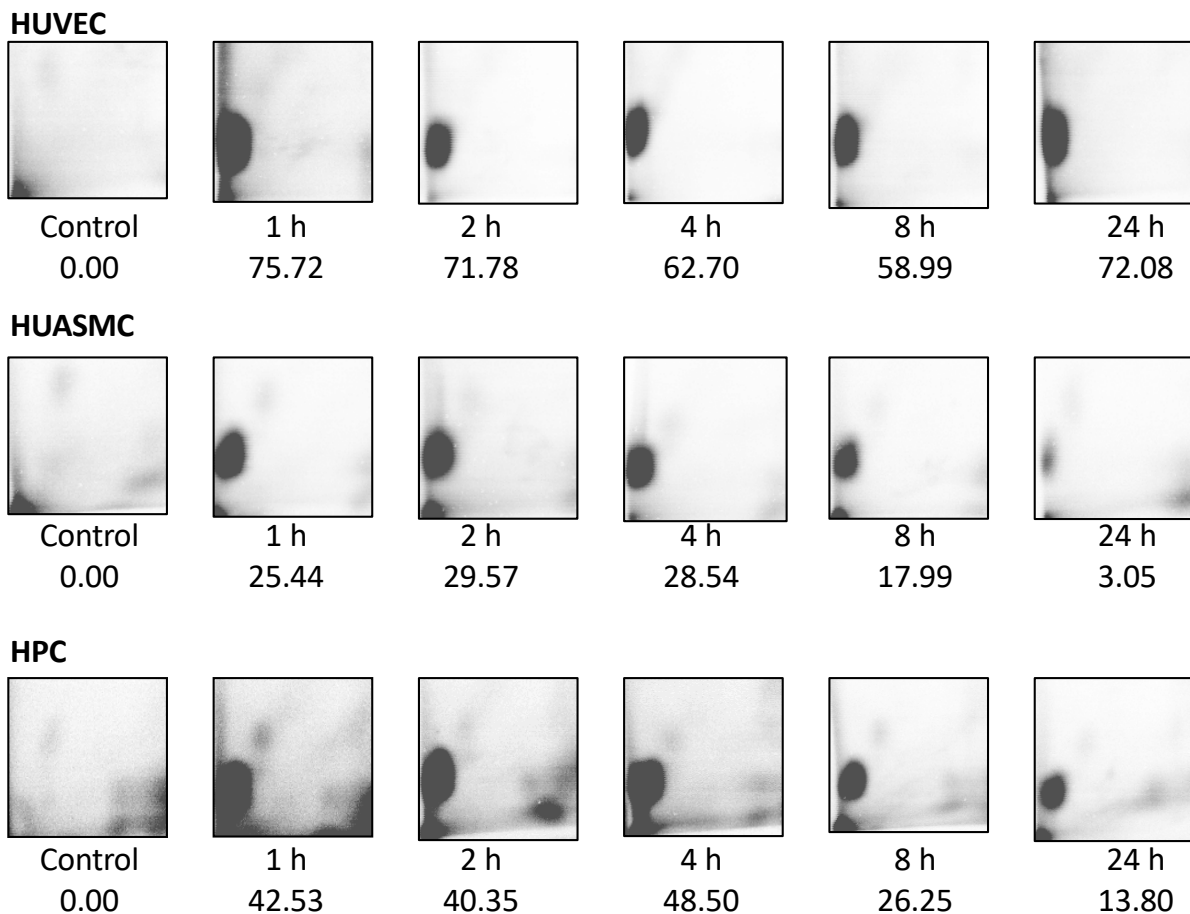


## Supplementary material

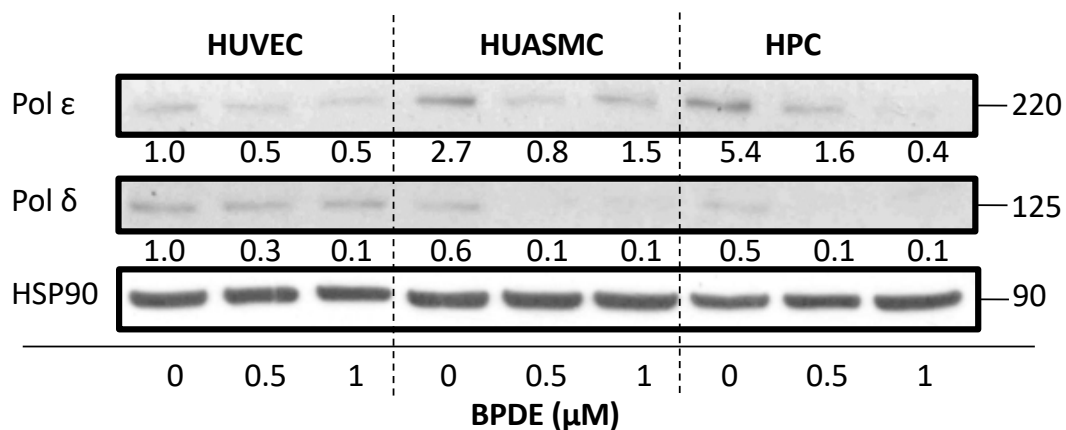
### Human primary endothelial cells are impaired in nucleotide excision repair and sensitive to benzo[a]pyrene compared with pericytes and smooth muscle cells

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**Figure S2: Time-dependent BPDE-adduct levels.** BPDE-adducts per  $10^8$  nucleotides were determined 1, 2, 4, 8 and 24 h after exposure to  $0.5 \mu\text{M}$  BPDE. Representative plots are shown.



**Figure S3: Expression of NER-polymerases in HUVEC, HUASMC and HPC.** Exponentially growing cells were not treated or treated with BPDE with doses of  $0.5$  and  $1 \mu\text{M}$  and cells were harvested 24 h later. HSP90 served as loading control.

**Supplementary Table 1: Primer sequences for qPCR.**

<b>Gene</b>	<b>Forward (5`-3`)</b>	<b>Reverse (3`-5`)</b>
<i>DDB2</i>	TGTAGCCTGGATGTGTTCT	GCATTCTGAGATTCCAAAGC
<i>XPC</i>	ACACCTACTACCTCTCAA	TAAATAGCAAATCTCCTTTCC
<i>p21</i>	TACATCTTCTGCCTTAGT	TCTTAGGAACCTCTCATT
<i>Gapdh</i>	CATGAGAAGTATGACAACAG	ATGAGTCCTTCCACGATA
<i>Actb</i>	TGGCATCCACGAAACTACC	GTGTTGGCGTACAGGTCTT