Table S1. Participant demographics

Variables	Non-CVD group (n=9)	CVD group (n=11)	*p*-Value
Gender (male/female)	9/0	11/0	-
Age (years)	45.56±9.35	42.82±7.43	0.474

Table S2. Primers for real-time PCR

Gene	Sense	Anti-sense
GAPDH	AAGGTGAAGGTCGGAGTC	GATTTTGGAGGGATCTCG
PCNA	AGGGTTGGTAGTTGTCGCTG	CAAACATGGTGGCGGAGTTG
IL-1β	CAACCAACAAGTGATATTCTCCATG	GATCCACACTCTCCAGCTGCA
NLRP3	CTACGGCCGTCTACGTCTTC	CAAATTCCATCCGCAGCCAG

Table S3. 3'UTR of NLRP3 contain miR-486a-3p target site or its mutated sequences

Gene	Sequences (5'-3')
NLRP3-wt-F	TCGAGCTCCCCCGCCCTCCTCTTACTCCTGCCCCTCCTCCTCCTCCTCCTCCG
NLRP3-wt-R	TCGACGGAGGAGGAGGAGGAGGAGGGGCAGGAGTAAGAGGAGGGCGGGGGAGC
NLRP3-mut-F	TCGAGCTCCCCCGCCCTCCTCTTACTCCCATTTCTCCTCCTCCTCCTCCTCCG
NLRP3-mut-R	TCGACGGAGGAGGAGGAGGAGGAGAAATGGGAGTAAGAGGAGGGCGGGGGAGC

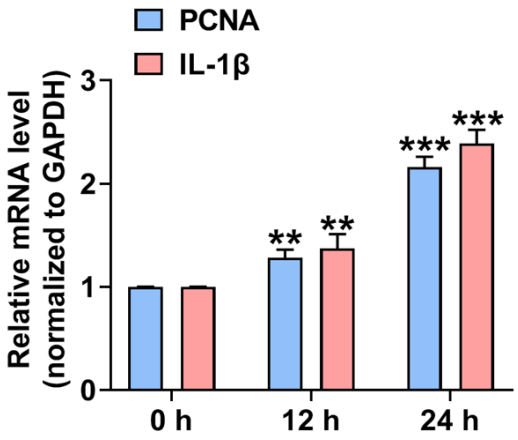

Figure S1. VSMCs were treated with Ang II (10^{-7} mol/L) for the indicated times, qRT-PCR detected the mRNA expression of PCNA and IL-1β. Relative level of their mRNA was presented after normalizing to GAPDH (mean ± SEM; n = 3). $^{**}P < 0.01$ and $^{***}P < 0.001$ vs. 0 h group, respectively.

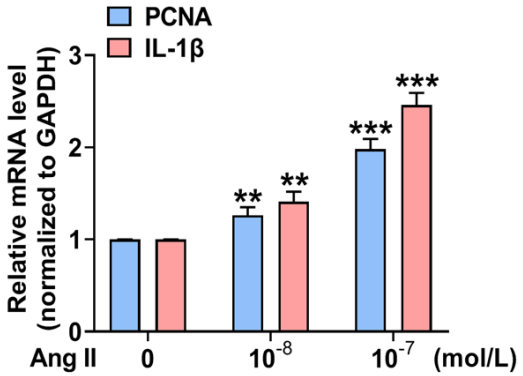

Figure S2. VSMCs were treated with different concentrations of Ang II for 24 h, qRT-PCR detected the mRNA expression of PCNA and IL-1β. Relative level of their mRNA was presented after normalizing to GAPDH (mean ± SEM; n = 3). ***P* < 0.01 and ****P* < 0.001 vs. 0 mol/L group, respectively.

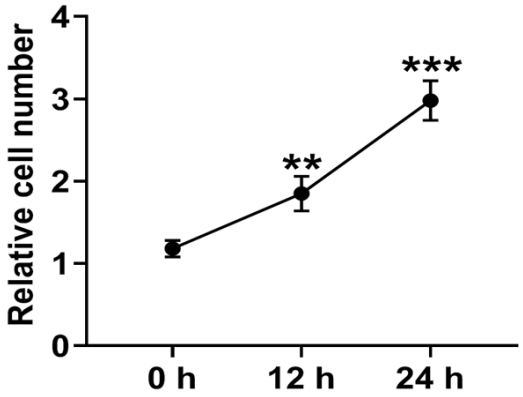

Figure S3. VSMCs were treated with Ang II (10^{-7} mol/L) for the indicated times. The cell counting was carried out using a Countess automated counter. ***P* < 0.01 and ****P* < 0.001 vs. 0 h group, respectively.

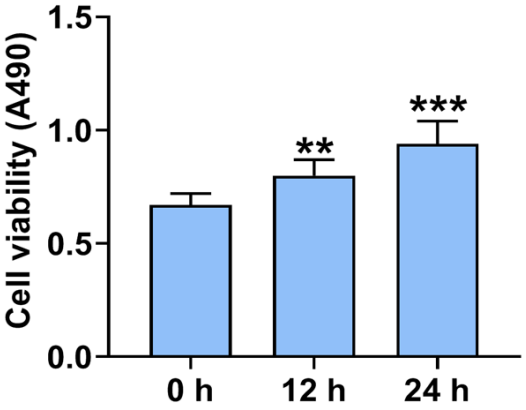

Figure S4. VSMCs were treated with Ang II (10^{-7} mol/L) for the indicated times. The cell viability was determined by MTS assay. ***P* < 0.01 and ****P* < 0.001 vs. 0 h group, respectively.

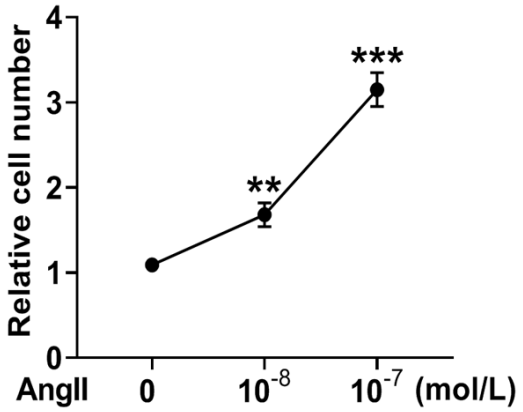

Figure S5. VSMCs were treated with different concentrations of Ang II for 24 h. The cell counting was carried out using Countess automated counter. $^{**}P < 0.01$ and $^{***}P < 0.001$ vs. 0 mol/L group, respectively.

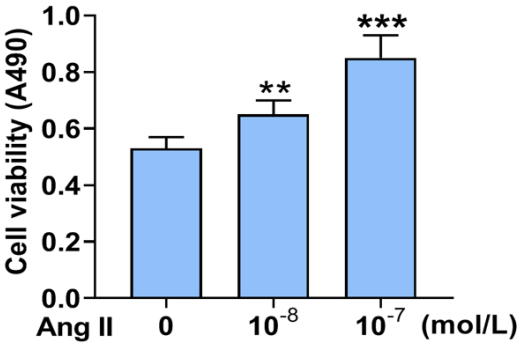

Figure S6. VSMCs were treated with different concentrations of Ang II for 24 h. The cell viability was determined by MTS assay. $^{**}P < 0.01$ and $^{***}P < 0.001$ vs. 0 mol/L group, respectively.

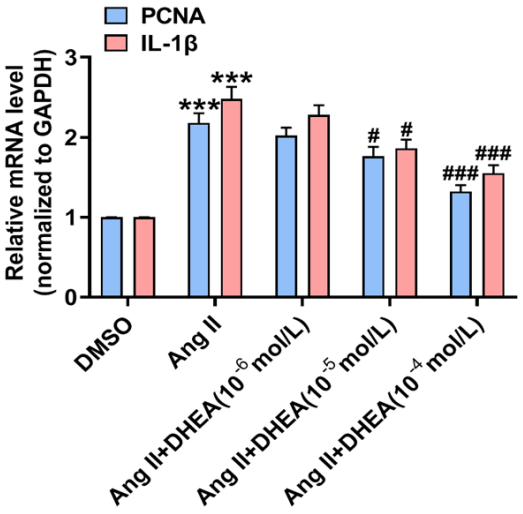

Figure S7. VSMCs were stimulated with DMSO, Ang II (10^{-7} mol/L), or Ang II (10^{-7} mol/L) plus various concentrations of DHEA for 24 h. The expression of PCNA and IL-1β mRNA was analyzed by qRT-PCR. Relative level of their mRNA was presented after normalizing to GAPDH (mean ± SEM; n=3). $^{***}P < 0.001$ vs. DMSO group, $^{\#}P < 0.05$, $^{\#\#\#}P < 0.001$ vs. Ang II group, respectively.