

Figure S1. Litter size in each group. Control, the control group; Model, the model group; QUE, the quercetin + PBS group; LDQ, the low-dose quercetin group; MDQ, the medium-dose quercetin group; HDQ, the high-dose quercetin group.

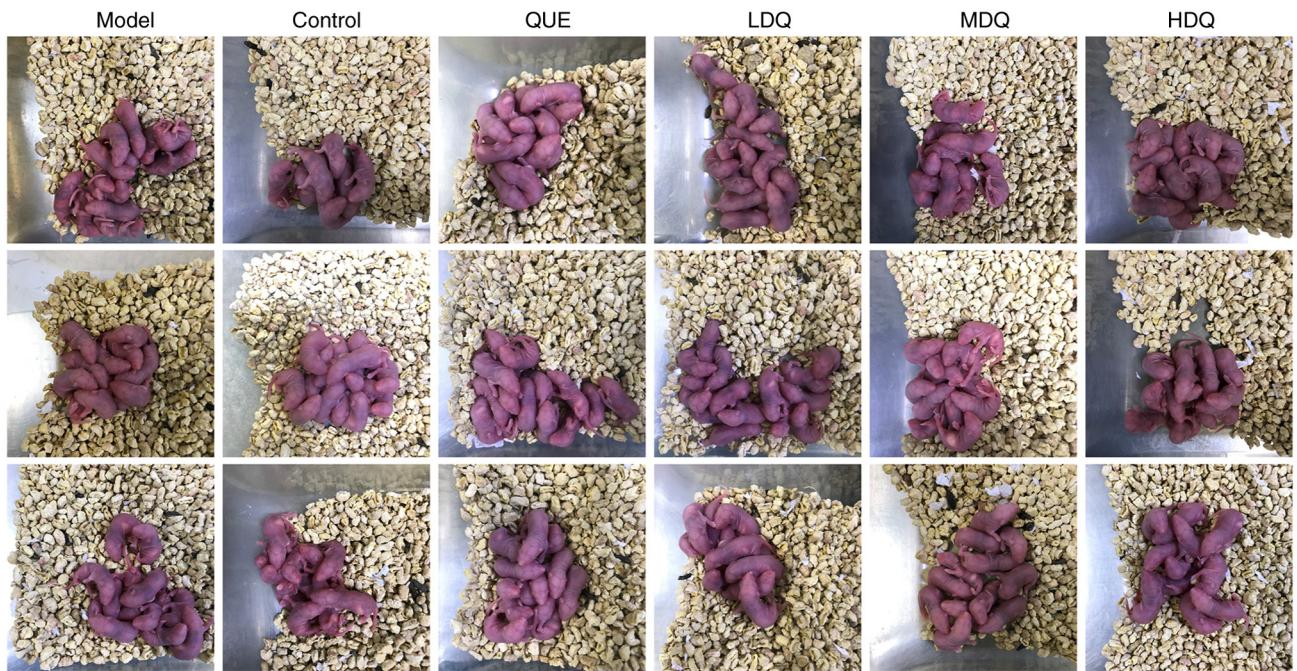


Figure S2. Representative hematoxylin-eosin staining for the implantation site tissue sections of the control and model group (Original magnification: x100 and x200). Control, the control group; Model, the model group.

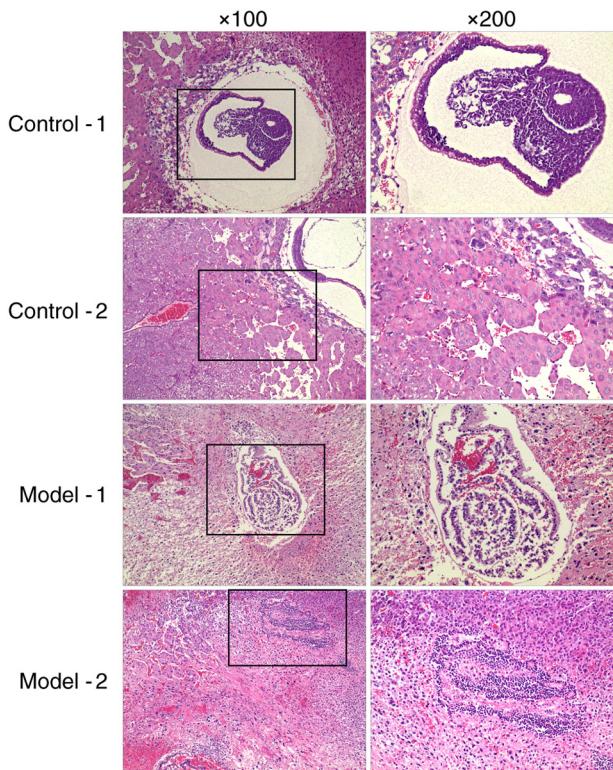


Figure S3. Relative mRNA expression in uterus. (A) Relative expression of AKT1. (B) Relative expression of ESR1. (C) Relative expression of JAK2. (D) Relative expression of MAPK1. (E) Relative expression of MAPK3. (F) Relative expression of PGR. (G) Relative expression of PI3K. (H) Relative expression of SGK1. \* $P<0.05$ , \*\* $P<0.01$ , \*\*\* $P<0.001$ , \*\*\*\* $P<0.0001$  vs. the Model group; # $P<0.05$  vs. the Control group. ESR, estrogen receptor; PGR, progesterone receptor; PI3K, phosphatidylinositol 3-kinase; SGK1, serum- and glucocorticoid-inducible kinase 1; Control, the control group; Model, the model group; QUE, the quercetin + PBS group; LDQ, the low-dose quercetin group; MDQ, the medium-dose quercetin group; HDQ, the high-dose quercetin group.

