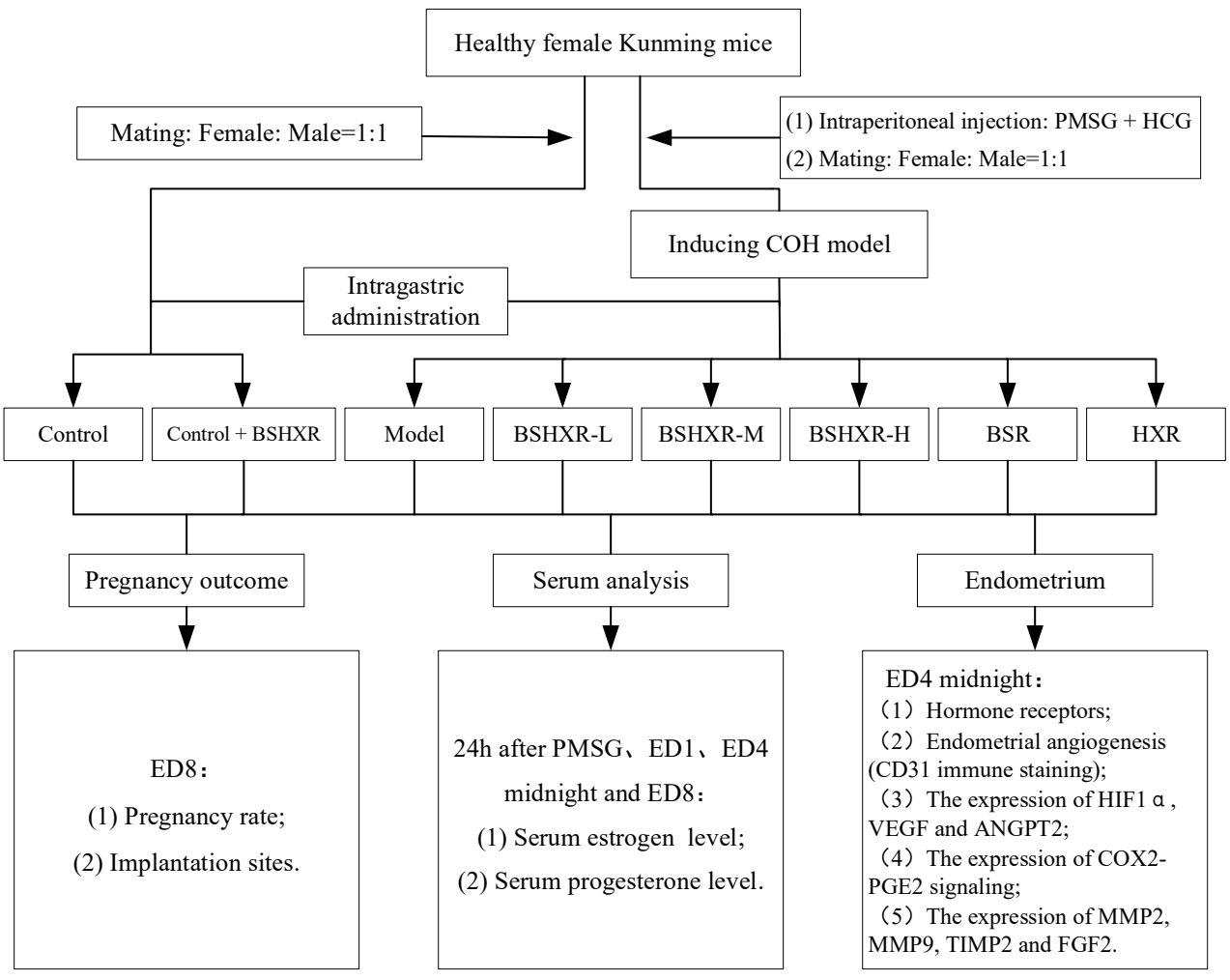
Healthy female Kunming mice
Mating: Female: Male=1:1
(1) Intraperitoneal injection: PMSG + HCG
(2) Mating: Female: Male=1:1
Inducing COH model
Intragastric administration
Control
Control + BSHXR
Model
BSHXR-L
BSHXR-M
BSHXR-H
BSR
HXR
Pregnancy outcome
Serum analysis
Endometrium
ED8：
(1) Pregnancy rate;
(2) Implantation sites.
24h after PMSG、ED1、ED4 midnight and ED8：
(1) Serum estrogen level;
(2) Serum progesterone level.
ED4 midnight：
（1）Hormone receptors;
（2）Endometrial angiogenesis (CD31 immune staining);
（3）The expression of HIF1α, VEGF and ANGPT2;
（4）The expression of COX2-PGE2 signaling;
（5）The expression of MMP2, MMP9, TIMP2 and FGF2.