

论文

hCG和LHRH-A对人早孕和孕终末期胎盘绒毛分泌孕酮作用的体外研究

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摘要:

关键词: 黄体生成素释放激素类似物 人绒毛膜促性腺激素 孕酮 胎盘绒毛组织

THE EFFECTS OF HCG AND LHRH-A ON PROGESTERONE SECRETION. BY HUMAN PLACENTA VILLI CELLS OF EARLY AND TERM GESTATION *IN VITRO*

BT Zhu and YH Chu

Abstract:

In the present study, the method of collagenase-pepsin prepared cell suspension of human placental villi from early (10~12 weeks) and term (38~40 weeks) gestation cultured *in vitro* combined with progesterone radioimmunoassay was employed. The results indicated that: 1 In the placenta villi cells from early and term gestation *in vitro*, both exogenous and endogenous hCG showed a stimulatory effect on progesterone secretion, and the effect was approximately proportional to the concentration of the exogenous hCG added. 2. In the placenta villi cells from term gestation *in vitro*, after addition of sufficient rabbit anti hCG IgG to the culture medium, LHRH-A exhibited no obvious influence on this hCG-independent progesterone secretion. However, in the absence of rabbit anti-hCG IgG in the culture medium, LHRH-A showed a stimulatory action on progesterone secretion probably via its stimulatory effect on hCG secretion which could subsequently increase the progesterone secretion. 3. In the placenta villi cells from early gestation, LHRH-A exhibited an inhibitory effect on both hCG-independent and hCG-dependent progesterone secretion.

Keywords: hCG Progesterone Placental villi cells LHRH-A

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