

论文

妊娠早期CD56brightCD16- NK细胞CD49d和CD11b的表达分析

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摘要:

目的 探讨早期妊娠和稽留流产患者外周血CD56brightCD16- NK细胞及蜕膜组织子宫自然杀伤(uNK)细胞中整合素α4 (CD49d) 和αm (CD11b)的表达。方法 采集18例早期妊娠妇女外周血(其中14例另取蜕膜组织)和9例稽留流产妇女外周血, Ficoll密度梯度离心法分离单个核细胞悬液,流式细胞术检测样本CD56brightCD16- NK细胞中CD49d和CD11b表达。结果 CD49d和CD11b在早期妊娠蜕膜CD56brightCD16- NK细胞表达显著低于早期妊娠妇女外周血CD56brightCD16- NK细胞(P<0.01); 稽留流产患者外周血CD56brightCD16- NK细胞的表达较早期妊娠妇女显著降低(P<0.05)。结论 CD49d和CD11b可能在妊娠早期uNK细胞的募集中起重要作用, 同时也可能参与了正常妊娠的维持。

关键词: 早期妊娠; 稽留流产; uNK细胞; 整合素

Exprsions of CD49d and CD11b on CD56brightCD16- NK cell of early pregnancy

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Abstract:

Objective To investigate the expressions of integrinα4 (CD49d) and integrinαm (CD11b) on CD56brightCD16- NK cell of the peripheral blood and decidua in early pregnant women and the peripheral blood in missed abortion women. Methods Peripheral blood samples were collected from early pregnant and missed abortion female, and uNK cells were isolated from the fresh decidua of early pregnant females by mechanical trituration and Ficoll gradient centrifugation. The fluorescent intensity of the integrines was detected by FCM. Results Expressions of CD49d and CD11b on CD56brightCD16- NK cell of peripheral blood in early pregnant women those higher than were in the first trimester decidua( P<0.01), and also higher than those in missed abortion women (P<0.05). Conclusion CD49d and CD11b may play an important role in the recruitment of uNK cells and participates in the maintenance of normal pregnancy.

Keywords: Early pregnancy; Missed abortin; uNK cell; Integrin

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