

泡形成并逐渐发育成熟的阶段。早窦泡期基因转录活跃,此时 mRNA、核糖体、多肽的集聚对于卵母细胞的发育潜能是非常关键的^[16]。可能正是由于窦前卵泡向窦卵泡转化过程,体外发育组卵母细胞 GDF-9 基因表达异常影响了卵母细胞发育潜能。

本研究结果不仅证实了 GDF-9 作为旁分泌因子对卵泡发育的重要性,而且发现体外发育卵母细胞 GDF-9 的表达异常对卵母细胞成熟有重要影响。目前并不明确 GDF-9 通过哪条途径起作用,这些有待进一步探索发现。

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