Decreased expression of mitochondrial genes in human unfertilized oocytes and arrested embryos.

葉添順

Hsieh RH;Au HK;Yeh TS;Chang SJ;Cheng YF;Tzeng CR

Abstract

The present study is the first report to present globally decreased mitochondrial gene expression levels in human compromised oocytes and embryos. These data support the notion that the down-regulation of mitochondrial RNA by defective oxidative phosphorylation genes possibly affects oocyte quality including fertilization and further embryo development.