

**Growth and development of children
conceived by in-vitro maturation of human
oocytes**

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摘要

Abstract

Aims: The objective of this study is to evaluate the physical and mental development of infants born on in-vitro maturation (IVM) programs. Study design: We compare 21 IVM children as study group and 21 non-IVM children as control group. We performed a general physical examination for malformations, neurological examination, developmental examination (Bayley Scales) on the IVM group and the non-IVM group. Results: We found all the children with normal karyotype and without major malformation in both IVM and non-IVM groups. The mean Mental Development Index scores for IVM subjects and the comparison group were 92.71 ± 10.47 and 97.19 ± 8.88 , respectively ($p=0.074$). The mean Psychomotor Development Index scores were 96.67 ± 8.91 and 96.19 ± 7.05 , respectively ($p=0.817$). Conclusions: This is the first study designed to evaluate the physical growth and developmental indices of IVM children with combinational priming protocol of FSH and hCG. Our results suggest that IVM children didn't show developmental delay during infancy and early childhood..

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