



## **Generating a predictive model to estimate the rate of embryonic aneuploidy after an IVF cycle.**

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This communication has developed a model to predict the rate of chromosomal abnormalities (aneuploidy) in embryos using various parameters of the IVF cycle. It is known that the age of the egg is related to an increase in the rate of embryonic aneuploidy but whether other parameters such as embryo quality could affect is unknown. Through analysis by array- CGH technique embryos from 188 IVF cycles biopsied on days 3 and day 5 of embryonic development, was observed that embryos biopsied on day 3 have a higher rate of aneuploidy than in the day 5, and poorer quality embryos have more chromosomal alterations . The importance of this work is that it can predict the likelihood that an embryo is chromosomally normally combined using these three parameters (age of the egg, day of embryo biopsy and quality), which is very useful to give a prognosis to the patient when a complete chromosomal diagnosis of embryos is performed.