The Correlation between blastocyst morphology and chromosomal status

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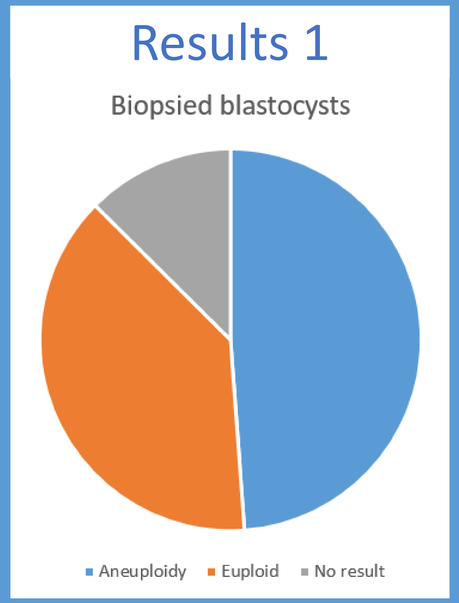
Introduction

Morphological embryo grading is used to select the good quality embryos for transfer. However, data suggest that blastocyst morphologic grading is a useful predictor of pregnancy in euploid embryos. Therefore, genetic screening is important in evaluating good quality of embryos for transfer especially among older women.

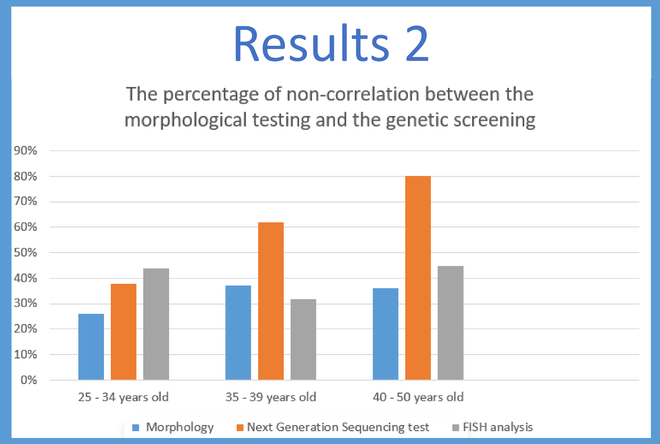
Methods

The genetic screening was done in a specialized preimplantation genetic diagnosis (PGD) laboratory. The study was from January to December 2017.

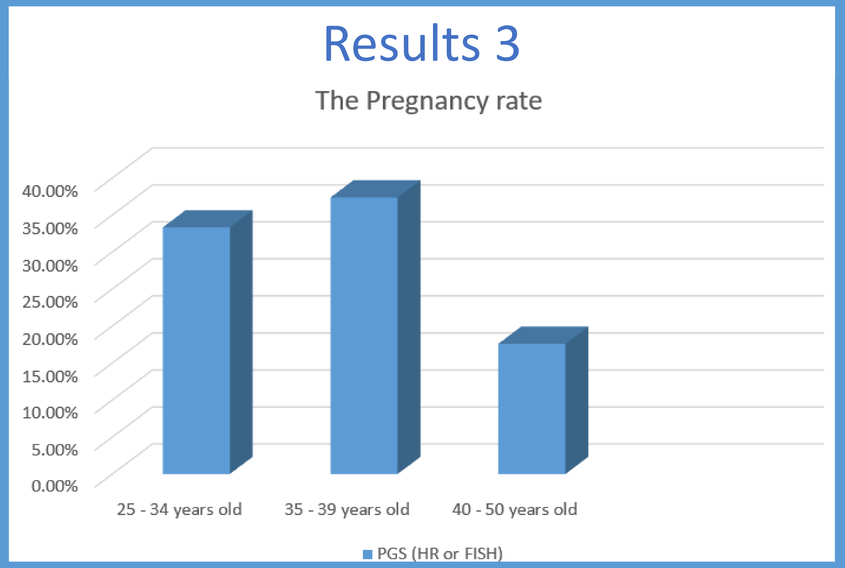
Results 1



Results 2



Results 3



Conclusions

Morphological grading of embryos cannot predict the euploid embryos which can affect the selection of good embryos for transfer. This is especially true for women with the age range between 35 – 50 years old. We suggest that women over 35 years of age to undergo preimplantation genetic screening using Next Generation Sequencing.