

Retrospective analysis of demographic differences among patients with euploid embryos in the local population

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ABSTRACT

Introduction: This was a retrospective study assessing the demographic pattern of patients with euploid embryos in Sunway Fertility Centre. The objective was to obtain information that would be helpful in clinical practice. **Materials and Methods:** In this retrospective study, clinical data over a three-year period was obtained from embryology records with regards to maternal age, ethnicity and PGTA report. **Results:** Among 233 patients who opted for PGT-A testing, 76% had euploid embryos. Total of 981 embryos were biopsied and 44% were euploid. Based on age range, euploid embryos were present in 99% of patients below the age of 35, 72% among those between 35 and 39, 47% in women 40 and above years. Majority of patients were Chinese followed by Indians and Malays. Only 14.6% were 40 and above years old. **Discussion:** This basic data could provide useful information for counselling of patients who are keen for PGT-A. It may help couples understand the potential outcome of PGT-A and the effect of maternal age.