

Assessment of embryo ploidy using time-lapse imaging system and conventional morphological grading

Keiichi Kato

Kato Ladies Clinic

Accurate embryo selection may hold the key to improve the chances of getting pregnant; therefore, we have been investigating non-invasive morphokinetic parameters of a single transfer. Here, time-lapse imaging system and KIDScore D5 are the primary methods used to evaluate the blastocyst. Meanwhile, genetic screening of embryos has been prohibited for 20 years in Japan. However, new highly selected four IVF centers including ours are starting a clinical study using PGT-A in cooperation with the Japan Society of OB-GYN. Efforts in using non-invasive and invasive methods for embryo selection will be introduced along with their benefits and disadvantages.