Gamete Alert

Impact of a Non-Invasive AI Oocyte Scoring System on Embryo Development in Group Culture

This study analyzed that a real-time AI software image analysis tool, Magenta, can prospectively sort higher quality oocytes from lower quality oocytes. .Blastocyst development rates were significantly higher in oocytes with better quality, as classified by the Magenta scoring system. The highest quality oocytes (Group D) showed the most efficient blastocyst development, with significant differences observed between lower quality groups (A and B) and higher quality groups (C and D). Magenta AI software effectively sorts oocytes by quality, which could improve developmental outcomes like blastocyst formation and potentially increase euploidy rates. Oocyte sorting has proven practical in lab settings, though further research is needed to confirm its impact on clinical outcomes.

THE IMPACT OF A NON-INVASIVE ARTIFICIAL INTELLIGENCE (AI) OOCYTE SCORING SYSTEM ON SUBSEQUENT EMBRYO DEVELOPMENT IN GROUP CULTURE

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