

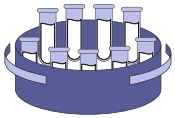
EPIC: Exploring Paternal age and the Influence on blastocyst Culture

A Randomized Controlled Trial (RCT)

Objective: This study is trying to answer if there is a way to improve the preparation of sperm for the intracytoplasmic sperm injection procedure (ICSI) while assessing the impact of paternal age on embryo culture. The 2 preparation methods are:

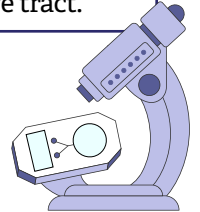
Routine

Density grade centrifugation (DGC) is a process that involves using a machine to spin the sperm. The better sperm tends to settle at the top of the tube after being spun.



Study

Microfluidic devices (Zymot) separate the best moving sperm through tiny channels and chambers which mimic the female reproductive tract.



Enrollment

Please review the consent form. If interested, schedule your informed consent discussion by email or telephone. The study team can answer your questions.

Female

- If at least four or more mature eggs are retrieved, then the eggs will be split into two groups and randomized, like the flip of a coin, to determine which group receives the study sperm preparation technique.
- The other group receives the routine, DGC sperm preparation technique.

Study Methods

The only differences in this study from routine care are the randomization of the eggs and use of 2 sperm preparation methods.

Male

- Produce a routine sperm sample.
- A portion of the sample will be placed in the study preparation method.
- The remaining sample will be placed in the routine DGC sperm preparation technique.

