

Optimising embryo implantation during IVF treatment



- Innovative
- Novel
- Ground-breaking

Investment/collaborative project opportunity for Healthcare Company

Challenge

- For those undergoing advanced reproductive techniques, such as IVF and embryo transfer, the successful pregnancy percentage is very low, between 10-25%
- Implantation represents the most critical step
- The endometrium undergoes a series of changes leading to a period of receptivity called the "window of implantation" during the human menstrual cycle. Outside this time the uterus is resistant to embryo attachment.

Solution

A new approach is being developed at the University of Leicester. It is:

- **Precise:** a novel method has been shown to determine, with greater precision, this "window" and hence the optimal time of implantation
- Validated: the assay is based on measurement of levels of an endocannabinoid

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Investment & collaborative project opportunity for a healthcare company



Although IVF techniques have overcome many of the problems of infertility, actual pregnancy rates are still relatively low. Implantation failure is considered to be a major limiting factor. The endometrium undergoes a series of changes leading to a period of receptivity called the "window of implantation" during the human menstrual cycle. Outside this time the uterus is resistant to embryo attachment.

Benefits

• Protected IP with the potential to develop a fast and reliable test for determining the optimal time for embryo implantation during IVF

Market

Infertility affects 10-15% of couples worldwide, representing a considerable market opportunity.

IP status

Patents have been filed in Europe and USA.

Are you company supplying medical devices into the forensics market looking for an investment opportunity?

Tas Gohir, IP Manager, Research and Enterprise Division, University of Leicester, University Road, Leicester, LE1 7RH, UK

e: tg94@le.ac.uk t: +44 (0) 116 252 2757

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