Accepted Manuscript

Title: Preliminary investigation of the prevalence and implantation potential of abnormal embryonic phenotypes assessed using time-lapse imaging

Author: Amy Barrie, Roy Homburg, Garry McDowell, Jeremy Brown, Charles Kingsland, Stephen Troup

PII: S1472-6483(17)30091-3
DOI: http://dx.doi.org/doi: 10.1016/j.rbmo.2017.02.011
Reference: RBMO 1695

To appear in: *Reproductive BioMedicine Online*

Received date: 29-9-2016
Revised date: 15-2-2017
Accepted date: 17-2-2017

Please cite this article as: Amy Barrie, Roy Homburg, Garry McDowell, Jeremy Brown, Charles Kingsland, Stephen Troup, Preliminary investigation of the prevalence and implantation potential of abnormal embryonic phenotypes assessed using time-lapse imaging, *Reproductive BioMedicine Online* (2017), http://dx.doi.org/doi: 10.1016/j.rbmo.2017.02.011.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Short title: Prevalence and implantation potential of phenotypically abnormal embryos

Preliminary investigation of the prevalence and implantation potential of abnormal embryonic phenotypes assessed using time-lapse imaging

Amy Barrie [a,*], Roy Homburg [a], Garry McDowell [b], Jeremy Brown [c], Charles Kingsland [a], Stephen Troup [a]

[a] The Hewitt Fertility Centre, Liverpool Women's NHS Foundation Trust, Liverpool, L8 7SS, UK; [b] Manchester Metropolitan University, Minshull House, 47–49 Chorlton Street, Manchester, M1 3FY, UK; [c] Edge Hill University, St Helens Road, Ormskirk, Lancashire, L39 4QP, UK

[*] Corresponding author. E-mail address: amy.barrie@lwh.nhs.uk (A Barrie).

Key message

Embryos with abnormal division patterns as revealed by time-lapse microscopy have reduced developmental capacity and implantation potential compared with their normal counterparts. These findings emphasize the utility of time-lapse technologies in the embryology laboratory.

Author Biography

Amy Barrie studied at Manchester University and University College London and currently holds a Masters of Science in Prenatal Genetics and Fetal Medicine. She began working as a Clinical Embryologist at the Hewitt Fertility Centre, Liverpool in 2009 and contributes to one of the largest NHS providers of fertility treatments in the UK. Amy is currently

Download English Version:

https://daneshyari.com/en/article/5696599

Download Persian Version:

https://daneshyari.com/article/5696599

Daneshyari.com