

human reproduction

Volume 33, Number 1 January 2018

<https://academic.oup.com/humrep>

EDITORIAL

Battling bias

J.L.H. (Hans) Evers

1

ORIGINAL ARTICLES

Andrology

Waddlia chondrophila, a *Chlamydia*-related bacterium, has a negative impact on human spermatozoa

D. Baud, N. Vulliemoz, A. Ammerdorffer, J. Gyger, G. Greub, V. Castella, and M. Stojanov

3

Early pregnancy

Down-regulation of miR-378a-3p induces decidual cell apoptosis: a possible mechanism for early pregnancy loss

Lihua Hong, Tiantian Yu, Haiyan Xu, Ningning Hou, Qi Cheng, Lihua Lai, Qingqing Wang, Jianzhong Sheng, and Hefeng Huang

11

Embryology

Focused time-lapse analysis reveals novel aspects of human fertilization and suggests new parameters of embryo viability

G. Coticchio, M. Mignini Renzini, P.V. Novara, M. Lain, E. De Ponti, D. Turchi, R. Fadini, and M. Dal Canto

23

Optimal timing for blastomere biopsy of 8-cell embryos for preimplantation genetic diagnosis

Y. Kalma, L. Bar-El, S. Asaf-Tisser, M. Malcov, A. Reches, J. Hasson, H. Amir, F. Azem, and D. Ben-Yosef

32

Ethics and Law

Broad support for regulating the clinical implementation of future reproductive techniques

S. Hendriks, R. Vliegenthart, S. Repping, and E.A.F. Dancet

39

Gynaecology

Conservative surgery versus colorectal resection in deep endometriosis infiltrating the rectum: a randomized trial

Horace Roman, Michael Bubenheim, Emmanuel Huet, Valérie Bridoux, Chrysoula Zacharopoulou, Emile Daraï, Pierre Collinet, and Jean-Jacques Tuech

47

Infertility

The number of oocytes retrieved during IVF: a balance between efficacy and safety

Åsa Magnusson, Karin Källen, Ann Thurin-Kjellberg, and Christina Bergh

58

(continued overleaf)

Vitamin D and assisted reproductive treatment outcome: a systematic review and meta-analysis	Justin Chu, Ioannis Gallos, Aurelio Tobias, Bee Tan, Abey Eapen, and Arri Coomarasamy	65
Long-term health in recipients of transplanted <i>in vitro</i> propagated spermatogonial stem cells	Callista L. Mulder, Lisa A.E. Catsburg, Yi Zheng, Cindy M. de Winter-Korver, Saskia K.M. van Daalen, Madelon van Wely, Steven Pals, Sjoerd Repping, and Ans M.M. van Pelt	81
Psychology and counselling		
Health-related knowledge, beliefs and self-efficacy in women with polycystic ovary syndrome	Annie W. Lin, Jamie S. Dollahite, Jeffery Sobal, and Marla E. Lujan	91
Wellbeing of gay fathers with children born through surrogacy: a comparison with lesbian-mother families and heterosexual IVF parent families	L. Van Rijn-van Gelderen, H.W.M. Bos, T.D. Jorgensen, K. Ellis-Davies, A. Winstanley, S. Golombok, B. Rubio, M. Gross, O. Vecho, and M.E. Lamb	101
Antenatal paternal adjustment and paternal attitudes after infertility treatment	T. M. Pinto, C. Samorinha, I. Tendais, S. Silva, and B. Figueiredo	109
Reproductive biology		
The protective role of melatonin in porcine oocyte meiotic failure caused by the exposure to benzo(a)pyrene	Yilong Miao, Changyin Zhou, Qingyun Bai, Zhaokang Cui, Xiayan ShiYang, Yajuan Lu, Mianqun Zhang, Xiaoxin Dai, and Bo Xiong	116
Reproductive endocrinology		
Chronic hyperandrogenemia in the presence and absence of a western-style diet impairs ovarian and uterine structure/function in young adult rhesus monkeys	Cecily V. Bishop, Emily C. Mishler, Diana L. Takahashi, Taylor E. Reiter, Kise R. Bond, Cadence A. True, Ov D. Slayden, and Richard L. Stouffer	128
Reproductive epidemiology		
Cancer risk in children born after donor ART	C.L. Williams, K.J. Bunch, M.F.G. Murphy, C.A. Stiller, B.J. Botting, W.H. Wallace, M.C. Davies, and A.G. Sutcliffe	140
Developmental outcome of 9-year-old children born after PGS: follow-up of a randomized trial	Derk Kuiper, Anne Bennema, Sacha la Bastide-van Gemert, Jorien Seggers, Pamela Schendelaar, Sebastiaan Mastenbroek, Annemieke Hoek, Maas Jan Heineman, Tessa J. Roseboom, Joke H. Kok, and Mijna Hadders-Algra	147
Serum omega-3 fatty acids and treatment outcomes among women undergoing assisted reproduction	Y.-H. Chiu, A.E. Karmon, A.J. Gaskins, M. Arvizu, P.L. Williams, I. Souter, B.R. Rueda, R. Hauser, and J.E. Chavarro, for the EARTH Study Team	156
Time-varying cycle average and daily variation in ambient air pollution and fecundability	Carrie J. Nobles, Enrique F. Schisterman, Sandie Ha, Germaine M. Buck Louis, Seth Sherman, and Pauline Mendola	166

LETTER TO THE EDITOR

False positive blood hCG test following Corifollitropin alfa injection

Shahar Kol

**Knihovna
Univerzity Palackého v Olomouci
Oborová knihovna
Lékařské fakulty
Hněvotínská 3 | 775 03 Olomouc**

177

