

# human reproduction

Volume 33, Number 10 October 2018

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

## EDITORIAL

Please, decline our invitation—again

J.L.H. (Hans) Evers

1801

## ORIGINAL ARTICLES

### Andrology

Effects of pH manipulation, CatSper stimulation and  $Ca^{2+}$ -store mobilization on  $[Ca^{2+}]_i$  and behaviour of human sperm

Cosmas Achikanu, Venkata Pendekanti, Rebecca Teague, and Stephen Publicover

1802

Homozygous in-frame deletion in *CATSPERE* in a man producing spermatozoa with loss of CatSper function and compromised fertilizing capacity

Sean G. Brown, Melissa R. Miller, Polina V. Lishko, Douglas H. Lester, Stephen J. Publicover, Christopher L.R. Barratt, and Sarah Martins Da Silva

1812

Low-molecular weight compounds in human seminal plasma as potential biomarkers of male infertility

Giacomo Lazzarino, Ilaria Listorti, Luigi Muzii, Angela Maria Amorini, Salvatore Longo, Enrico Di Stasio, Giuseppe Caruso, Serafina D'Urso, Ilaria Puglia, Giuseppe Pisani, Giuseppe Lazzarino, Barbara Tavazzi, and Pasquale Bilotta

1817

Cell-lineage specificity of primary cilia during postnatal epididymal development

Agathe Bernet, Alexandre Bastien, Denis Soulet, Olivia Jerczynski, Christian Roy, Maira Bianchi Rodrigues Alves, Cynthia Lecours, Marie-Ève Tremblay, Janice L. Bailey, Claude Robert, and Clémence Belleannée

1829

### Embryology

Inconclusive chromosomal assessment after blastocyst biopsy: prevalence, causative factors and outcomes after re-biopsy and re-vitrification. A multicenter experience

Danilo Cimadomo, Laura Rienzi, Valeria Romanelli, Erminia Alviggi, Paolo Emanuele Levi-Setti, Elena Albani, Ludovica Dusi, Letizia Papini, Claudia Livi, Francesca Benini, Antonella Smeraldi, Cristina Patassini, Filippo Maria Ubaldi, and Antonio Capalbo

1839

### Gynaecology

Live birth rate and obstetric complications following the hysteroscopic management of intrauterine adhesions including Asherman syndrome

Rebecca Deans, Thierry Vancaillie, William Ledger, Jinzhu Liu, and Jason A. Abbott

1847

(continued overleaf)



Endometriosis and adverse maternal, fetal and neonatal outcomes, a systematic review and meta-analysis

S. Lalani, A.J. Choudhry, B. Firth, V. Bacal, Mark Walker, S.W. Wen, S. Singh, A. Amath, M. Hodge, and I. Chen 1854

## Infertility

Follicle stimulating hormone versus clomiphene citrate in intrauterine insemination for unexplained subfertility: a randomized controlled trial

N.A. Danhof, M. van Wely, S. Repping, C. Koks, H.R. Verhoeve, J.P. de Bruin, M.F.G. Verberg, M.H.A. van Hooff, B.J. Cohlen, C.F. van Heteren, K. Fleischer, J. Gianotten, J. van Disseldorp, J. Visser, F.J.M. Broekmans, B.W.J. Mol, F. van der Veen, and M.H. Mochtar, for the SUPER study group 1866

Dosage of exogenous gonadotropins is not associated with blastocyst aneuploidy or live-birth rates in PGS cycles in Chinese women

Qianqian Wu, Hongchang Li, Yueting Zhu, Wenjie Jiang, Juanjuan Lu, Daimin Wei, Junhao Yan, and Zi-Jiang Chen 1875

The impact of a thin endometrial lining on fresh and frozen-thaw IVF outcomes: an analysis of over 40 000 embryo transfers

K.E. Liu, M. Hartman, A. Hartman, Z.-C. Luo, and N. Mahutte 1883

Effect of mifepristone on the transcriptomic signature of endometrial receptivity

C. von Grothusen, P.G. Lalitkumar, M. Ruiz-Alonso, N.R. Boggavarapu, R. Navarro, J. Miravet-Valenciano, K. Gemzell-Danielsson, and C. Simon 1889

Differential proteomic analysis of endometrial fluid suggests increased inflammation and impaired glucose metabolism in non-implantative IVF cycles and pinpoints PYGB as a putative implantation marker

Mikel Azkargorta, Iraide Escobes, Ibon Iloro, Nerea Osinalde, Blanca Corral, Jone Ibañez-Perez, Antonia Exposito, Begoña Prieto, Felix Elortza, and Roberto Matorras 1898

A cost-effectiveness analysis of freeze-only or fresh embryo transfer in IVF of non-PCOS women

Khoa D. Le, Lan N. Vuong, Tuong M. Ho, Vinh Q. Dang, Toan D. Pham, Clarabelle T. Pham, Robert J. Norman, and Ben Willem J. Mol 1907

## Reproductive biology

Synergistic activation of CatSper Ca<sup>2+</sup> channels in human sperm by oviductal ligands and endocrine disrupting chemicals

C. Brenker, A. Rehfeld, C. Schiffer, M. Kierzek, U.B. Kaupp, N.E. Skakkebaek, and T. Strücker 1915

Aberrant expression of genes associated with stemness and cancer in endometria and endometrioma in a subset of women with endometriosis

Sakthivignesh Ponandai-Srinivasan, Karin. L. Andersson, Monica Nister, Merli Saare, Halima A. Hassan, Suby J. Varghese, Maire Peters, Andres Salumets, Kristina Gemzell-Danielsson, and Parameswaran Grace Luther Lalitkumar 1924

## Reproductive epidemiology

The association between the number of oocytes retrieved for IVF, perinatal outcome and obstetric complications

Åsa Magnusson, Ulla-Britt Wennerholm, Karin Källén, Max Petzold, Ann Thurin- Kjellberg, and Christina Bergh 1939

School performance in singletons born after assisted reproductive technology

Emma Norrman, Max Petzold, Christina Bergh, and Ulla-Britt Wennerholm 1948

Physical activity is not related to risk of early menopause in a large prospective study

Mingfei Zhao, Brian W. Whitcomb, Alexandra C. Purdue-Smithe, JoAnn E. Manson, Susan E. Hankinson, Bernard A. Rosner, and Elizabeth R. Bertone-Johnson 1960



Low risk of venous thromboembolism following early pregnancy loss in pregnancies conceived by IVF

A. T. Hansen, S. Juul, U. B. Knudsen, and A. M. Hvas 1968

Reproductive genetics

Whole-exome sequencing identifies mutations in *FSIP2* as a recurrent cause of multiple morphological abnormalities of the sperm flagella

Guillaume Martinez, Zine-Eddine Kherraf, Raoudha Zouari, Selima Fourati Ben Mustapha, Antoine Saut, Karin Pernet-Gallay, Anne Bertrand, Marie Bidart, Jean Pascal Hograindeur, Amir Amiri-Yekta, Mahmoud Kharouf, Thomas Karaouzène, Nicolas Thierry-Mieg, Denis Dacheux-Deschamps, Véronique Satre, Mélanie Bonhivers, Aminata Touré, Christophe Arnoult, Pierre F. Ray, and Charles Coutton 1973

Volume 33, Number 1, February 2015

EDITORIAL

Please, decline our invitation

The impact of a thin endometrial lining on fresh and frozen-thaw IVF outcomes: an analysis of over 40 000 embryo transfers

ORIGINAL ARTICLES

Andrology

Effects of pH manipulation, CatSper stimulation and Ca<sup>2+</sup> store mobilization on ion channel and sperm

Differential proteomic analysis of endometrial fluid suggests increased inflammation and impaired glucose metabolism in non-implantative IVF cycles and pinpoints PYGB as a putative implantation marker

Homozygous in-frame deletion in *CATSPERE* in a man producing spermatozoa with loss of CatSper function

A cost-effectiveness analysis of freeze-only or fresh embryo transfer in IVF of non-PCOS women

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

Low-molecular weight collagen type I in seminal plasma as potential biomarker of sperm

Synaptic behaviour of CatSper Ca<sup>2+</sup> channels in human sperm by oviductal ligands and endocannabinoids

Cell-lineage specificity of primary oocytes during postnatal

Aberrant expression of genes associated with stemness and cancer in endometrial and endometrial in a subset of women with endometriosis

Embryology

Inconclusive chromosomal assessment after transabdominal biopsy: prevalence and associated outcomes

The association between the number of oocytes retrieved for IVF, perinatal outcome and obstetric complications

Gynaecology

Live birth rate and time to pregnancy in pregnancies achieved after assisted reproductive technology

School performance in singletons born after assisted reproductive technology

Physical activity is not related to risk of early menopause in a large prospective study