

human reproduction

Volume 33, Number 3 March 2018

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

OPINION

- Time to redefine endometriosis including its pro-fibrotic nature

P. Vigano, M. Candiani, A. Monno, E. Giacomini,
P. Vercellini, and E. Somigliana

347

INVITED COMMENTARIES

- Fibrogenesis resulting from cyclic bleeding: the Holy Grail of the natural history of ectopic endometrium

Sun-Wei Guo

353

- Which cell defines endometriosis?

Ivo Brosens, Patrick Puttemans, and Giuseppe Benagiano

357

ORIGINAL ARTICLES

Andrology

- Viable acrosome-intact human spermatozoa in the ejaculate as a marker of semen quality and fertility status

Dorte Louise Egeberg Palme, Anders Rehfeld, Anne Kirstine Bang, Kristiana Alexandrova Nikolova, Søren Kjærulff, Morten Rønn Petersen, Janni Vikkelsø Jeppesen, Martin Glensbjerg, Anders Juul, Niels E. Skakkebæk, Søren Ziebe, Niels Jørgensen, and Kristian Almstrup

361

- Patients with acephalic spermatozoa syndrome linked to *SUN5* mutations have a favorable pregnancy outcome from ICSI

Jianzheng Fang, Jingjing Zhang, Fuxi Zhu, Xiaoyu Yang, Yugui Cui, and Jiayin Liu

372

- Transmembrane BAX Inhibitor Motif-6 (TMBIM6) protects against cisplatin-induced testicular toxicity

Hyun-Kyoung Kim, Raj Kumar Yadav, Kashi Raj Bhattacharai, Han-Wool Jung, Hyung-Ryong Kim, and Han-Jung Chae

378

Embryology

- Live birth rate following frozen-thawed blastocyst transfer is higher with blastocysts expanded on Day 5 than on Day 6

Lucile Ferreux, Mathilde Bourdon, Amira Sallem, Pietro Santulli, Virginie Barraud-Lange, Nathalie Le Foll, Chloé Maignien, Charles Chapron, Dominique de Ziegler, Jean-Philippe Wolf, and Khaled Pocate-Cheriet

390

(continued overleaf)

Gynaecology

Endometrial vascular development in heavy menstrual bleeding: altered spatio-temporal expression of endothelial cell markers and extracellular matrix components

Fertility outcomes in women experiencing severe complications after surgery for colorectal endometriosis

Infertility

Human oocyte calcium analysis predicts the response to assisted oocyte activation in patients experiencing fertilization failure after ICSI

Delayed conception in women with low-urinary iodine concentrations: a population-based prospective cohort study

Psychology and counselling

The impact of ART on union dissolution: a register-based study in Denmark 1994–2010

Reproductive biology

Endometrial natural killer (NK) cells reveal a tissue-specific receptor repertoire

Does the endometrial gene expression of fertile women vary within and between cycles?

In vitro differentiation of human oocyte-like cells from oogonial stem cells: single-cell isolation and molecular characterization

High-glucose concentrations change DNA methylation levels in human IVM oocytes

Ibuprofen is deleterious for the development of first trimester human fetal ovary *ex vivo*

Reproductive epidemiology

Adherence to the Mediterranean diet and IVF success rate among non-obese women attempting fertility

Association between use of phthalate-containing medication and semen quality among men in couples referred for assisted reproduction

Perimenarchal air pollution exposure and menstrual disorders

Sourima Biswas Shivhare, Judith N. Bulmer,
Barbara A. Innes, Dharani K. Hapangama,
and Gendie E. Lash

C. Ferrier, H. Roman, Y. Alzahrani, E. Mathieu d'Argent,
S. Bendifallah, N. Marty, M. Perez, C. Rubod, P. Collinet,
E. Daraï, and M. Ballester

M. Ferrer-Buitrago, L. Dhaenens, Y. Lu, D. Bonte,
F. Vanden Meerschaut, P. De Sutter, L. Leybaert,
and B. Heindryckx

J. L. Mills, G. M. Buck Louis, K. Kannan, J. Weck,
Y. Wan, J. Maisog, A. Giannakou, Q. Wu, and
R. Sundaram

Mariana Veloso Martins, Ditte Vassard, Charlotte Ørsted
Hougaard, and Lone Schmidt

D. Feyaerts, T. Kuret, B. van Cranenbroek, S. van der
Zeeuw-Hingrez, O.W.H. van der Heijden, A. van der Meer,
I. Joosten, and R.G. van der Molen

Gloria E. Evans, Gregory T.M. Phillipson, Peter H. Sykes,
Les A. McNoe, Cristin G. Print, and John J. Evans

Erica Silvestris, Paola Cafforio, Stella D'Oronzio,
Claudia Felici, Franco Silvestris, and Giuseppe Loverro

Qian Wang, Shou-Bin Tang, Xiao-Bing Song,
Teng-Fei Deng, Ting-Ting Zhang, Shen Yin, Shi-Ming
Luo, Wei Shen, Cui-Lian Zhang, and Zhao-Jia Ge

S. Leverrier-Penna, R.T. Mitchell, E. Becker, L. Lecante,
M. Ben Maamar, N. Homer, V. Lavoué, D.M. Kristensen,
N. Dejucq-Rainsford, B. Jégou, and S. Mazaud-Guittot

Dimitrios Karayiannis, Meropi D. Kontogianni,
Christina Mendorou, Minas Mastrominas,
and Nikos Yiannakouris

A. Broe, A. Pottegård, J. Hallas, T.P. Ahern, J. Fedder,
and P. Damkier

S. Mahalingaiah, S. E. Missmer, J. J. Cheng, J. Chavarro,
F. Laden, and J. E. Hart

399

411

426

434

441

452

464

474

482

503

512

Reproductive genetics

The clinical utility of PGD with HLA matching: a collaborative multi-centre ESHRE study

G. Kakourou, S. Kahraman, G. C. Ekmekci, H. A. Tac,
G. Kourlaba, E. Kourkouni, A. Cervero Sanz, J. Martin,
H. Malmgren, C. Giménez, V. Gold, F. Carvalho,
C. Billi, J. F. C. Chow, X. Vendrell, G. Kokkali, J. Liss,
J. Steffann, and J. Traeger-Synodinos

520

Chromosomal instability in women with primary ovarian insufficiency

Sunita Katari, Mahmoud Aarabi, Angela Kintigh,
Susan Mann, Svetlana A. Yatsenko, Joseph S. Sanfilippo,
Anthony J. Zeleznik, and Aleksandar Rajkovic

531

LETTERS TO THE EDITOR

Is single ovary a detrimental factor for live-birth rate in IVF?

Amir Lass and E. Somigliana

539

Reply: Is single ovary a detrimental factor for live-birth rate in IVF? Understanding the real clinical effect of unilateral oophorectomy

Tekla Lind, Jan I Olofsson, Lars Berglund, and Kenny Rodriguez-Wallberg

539

Grail of the natural history of ectopic pregnancy: a hypothesis

THE IMPACT OF ART ON UNION DISORDERS: A LONGITUDINAL STUDY IN SWEDEN 1994–2010

539

Which cell defines endometriosis?

ENDOMETRIAL NATURAL KILLER (NK) CELLS IN ENDOMETRIOSIS

539

ORIGINAL ARTICLES

Andrology

Viable acrosome in the non-spermatozoal human spermatozoa ejaculate as a marker of normal spermatogenesis and spermatocyte function

Does the endometriosis gene expression of certain women with mild endometriosis differ from those with severe disease?

539

Patients with *SUN5* mutations have a higher live-birth rate from ICSI than patients with *SUN5* mutations from IVF

Dorte Louise Egeberg Palme, Anders Rebild, Anne Kirkegaard, Birthe Skov, Boon-Teng Tan, and Kjetil Mørkved
Mette Glensberg, Anders Juul, Niels E. Skakkebaek, and Bozena Ziebe, Niels Jørgensen, and Kristian Almstrup

539

Transmembrane protein-2 (TMEM2) protects against lipid-induced apoptosis

HIGH-DENSITY CONCENTRATIONS CHARGE DNA METHYLATION LEVELS IN PLACENTAL TMM 601

372

Kidney

Live birth rate following embryo transfer is higher with blastocysts expanded on Day 6 than on Day 5

TRANSMEMBRANE PROTEIN-2 (TMEM2) AND BETA-CATENIN PROTECT AGAINST LIPID-INDUCED APOPTOSIS

378

203

A. Broe, A. Borregaard, T. Høidal, T. B. Petersen, J. Heggelund, and B. Damsgård

ASSOCIATION OF MEDIEVAL DISEASES WITH MEDIEVAL DIET AND LIFE SUCCESS

378

213

S. M. Paganini, S. E. Winters, T. C. Gray, T. C. Parsons, H. Lazarus, and J. E. Hart

ASSOCIATION OF MEDIEVAL DISEASES WITH MEDIEVAL DIET AND LIFE SUCCESS

378