

## 1. Internal ERA Papers

### **A genomic diagnostic tool for human endometrial receptivity based on the transcriptomic signature.**

Díaz-Gimeno P, Horcajadas JA, Martínez-Conejero JA, Esteban FJ, Alamá P, Pellicer A, Simón C. Fertil Steril. 2011 Jan;95(1):50-60, 60.e1-15. doi: 10.1016/j.fertnstert.2010.04.063. Epub 2010 Jul 8. PMID:20619403

### **The accuracy and reproducibility of the endometrial receptivity array is superior to histology as a diagnostic method for endometrial receptivity.**

Díaz-Gimeno P, Ruiz-Alonso M, Blesa D, Bosch N, Martínez-Conejero JA, Alamá P, Garrido N, Pellicer A, Simón C. Fertil Steril. 2013 Feb;99(2):508-17. doi: 10.1016/j.fertnstert.2012.09.046. Epub 2012 Oct 23. PMID:23102856

### **The endometrial receptivity array for diagnosis and personalized embryo transfer as a treatment for patients with repeated implantation failure.**

Ruiz-Alonso M, Blesa D, Díaz-Gimeno P, Gómez E, Fernández-Sánchez M, Carranza F, Carrera J, Vilella F, Pellicer A, Simón C. Fertil Steril. 2013 Sep;100(3):818-24. doi: 10.1016/j.fertnstert.2013.05.004. Epub 2013 Jun 4. PMID:23756099

### **What a difference two days make: "personalized" embryo transfer (pET) paradigm: a case report and pilot study.**

Ruiz-Alonso M, Galindo N, Pellicer A, Simón C. Hum Reprod. 2014 Jun;29(6):1244-7. doi: 10.1093/humrep/deu070. Epub 2014 Apr 15. PMID:24737781

### **The impact of using the combined oral contraceptive pill for cycle scheduling on gene expression related to endometrial receptivity.**

Bermejo A, Iglesias C, Ruiz-Alonso M, Blesa D, Simón C, Pellicer A, García-Velasco J. Hum Reprod. 2014 Jun;29(6):1271-8. doi: 10.1093/humrep/deu065. Epub 2014 Apr 4. PMID:24706003

### **Timing the window of implantation by nucleolar channel system prevalence matches the accuracy of the endometrial receptivity array.**

Nejat EJ, Ruiz-Alonso M, Simón C, Meier UT. Fertil Steril. 2014 Nov;102(5):1477-81. doi: 10.1016/j.fertnstert.2014.07.1254. Epub 2014 Sep 17. PMID:25241377

### **Impact of final oocyte maturation using gonadotropin-releasing hormone agonist triggering and different luteal support protocols on endometrial gene expression.**

Bermejo A, Cerrillo M, Ruiz-Alonso M, Blesa D, Simón C, Pellicer A, García-Velasco JA. Fertil Steril. 2014 Jan;101(1):138-146.e3. doi: 10.1016/j.fertnstert.2013.09.033. Epub 2013 Oct 29. PMID:24182413

### **Is endometrial receptivity transcriptomics affected in women with endometriosis? A pilot study.**

García-Velasco JA, Fassbender A, Ruiz-Alonso M, Blesa D, D'Hooghe T, Simón C. Reprod Biomed Online. 2015 Nov;31(5):647-54. doi: 10.1016/j.rbmo.2015.07.014. Epub 2015 Aug 11. PMID:26385059

### **Intrauterine human chorionic gonadotropin infusion in oocyte donors promotes endometrial synchrony and induction of early decidual markers for stromal survival: a randomized clinical trial.**

Strug MR, Su R, Young JE, Dodds WG, Shavell VI, Díaz-Gimeno P, Ruiz-Alonso M, Simón C, Lessey BA, Leach RE, Fazleabas AT. Hum Reprod. 2016 Jul;31(7):1552-61. doi: 10.1093/humrep/dew080. Epub 2016 Apr 26. PMID:27122490

## **Does an increased body mass index affect endometrial gene expression patterns in infertile patients? A functional genomics analysis.**

Comstock IA, Diaz-Gimeno P, Cabanillas S, Bellver J, Sebastian-Leon P, Shah M, Schutt A, Valdes CT, Ruiz-Alonso M, Valbuena D, Simon C, Lathi RB.

Fertil Steril. 2017 Mar;107(3):740-748.e2. doi: 10.1016/j.fertnstert.2016.11.009. Epub 2016 Dec 2. PMID:27919438

## **Window of implantation transcriptomic stratification reveals different endometrial subsignatures associated with live birth and biochemical pregnancy.**

Díaz-Gimeno P, Ruiz-Alonso M, Sebastian-Leon P, Pellicer A, Valbuena D, Simón C.

Fertil Steril. 2017 Oct;108(4):703-710.e3. doi: 10.1016/j.fertnstert.2017.07.007. Epub 2017 Aug 30. PMID:28863933

## **Inter-cycle consistency versus test compliance in endometrial receptivity analysis test.**

Stankewicz T, Valbuena D, Ruiz-Alonso M.

J Assist Reprod Genet. 2018 May 26. doi: 10.1007/s10815-018-1212-7

## **Window of implantation is significantly displaced in patients with adenomyosis with previous implantation failure as determined by endometrial receptivity assay.**

Mahajan N, Kaur S, Ruiz-Alonso M.

Journal of human reproductive sciences. 2018; 11(4):353.

## **Effect of mifepristone on the transcriptomic signature of endometrial receptivity.**

von Grothusen C, Lalitkumar PG, Ruiz-Alonso M, Boggavarapu NR, Navarro R, Miravet-Valenciano J, Gemzell-Danielsson K, Simon C.

Hum Reprod. 2018 Aug 22. doi: 10.1093/humrep/dey272. [Epub ahead of print] PMID: 30137464

## **A 5-year multicentre randomized controlled trial comparing personalized, frozen and fresh blastocyst transfer in IVF.**

Simón, C., Gómez, C., Cabanillas, S., Vladimirov, I., Castellón, G., Giles, et al.

Reproductive BioMedicine Online, 2020; 41(3):402-415.

## **2. Independent ERA Papers**

### **Live birth after embryo transfer in an unresponsive thin endometrium.**

F. Cruz, J. Bellver.

Gynecol Endocrinol. 2014 Jul;30(7):481-4. doi: 10.3109/09513590.2014.900747. Epub 2014 Mar 20.

### **Endometrial receptivity array: Clinical application.**

Mahajan N.

J Hum Reprod Sci. 2015 Jul-Sep;8(3):121-9. doi: 10.4103/0974-1208.165153. Review. PMID:26538853

### **Efficacy of the endometrial receptivity array for repeated implantation failure in Japan: A retrospective, two-centers study.**

Hashimoto T, Koizumi M, Doshida M, Toya M, Sagara E, Oka N, Nakajo Y, Aono N, Igarashi H, Kyono K.

Reprod Med Biol. 2017 Jun 27;16(3):290-296. doi: 10.1002/rmb2.12041. eCollection 2017 Jul. PMID:29259480

### **The role of the endometrial receptivity array (ERA) in patients who have failed euploid embryo transfers.**

Tan J, Kan A, Hitkari J, Taylor B, Tallon N, Warraich G, Yuzpe A, Nakhuda G.

J Assist Reprod Genet. 2018 Jan 11. doi: 10.1007/s10815-017-1112-2. PMID:29327111

## **Different Endometrial Receptivity in Each Hemiuterus of a Woman With Uterus Didelphys and Previous Failed Embryo Transfers.**

Carranza F, González-Ravina A, Blasco V, Fernández-Sánchez M. J Hum Reprod Sci. 2018;11(3):297- 299. doi: 10.4103/jhrs.JHRS\_113\_18.

## **Does the endometrial receptivity array really provide personalized embryo transfer?**

Bassil R. et al  
J Assist Reprod Genet. 2018; 35(7):1301-1305.

## **The Reproductive Outcomes for the Infertile Patients with Recurrent Implantation Failures May Be Improved by Endometrial Receptivity Array Test.**

Ota, T., Funabiki, M., Tada, Y., Karita, M., Hayashi, T., Maeda, K. et al.  
Journal of Medical Cases. 2019; 10(5), 138-140. doi: <https://doi.org/10.14740/jmc3282>

## **Why results of endometrial receptivity assay testing should not be discounted in recurrent implantation failure?**

Simrandeep K., Padmaja N.  
The Onco Fertility Journal. 2019; 2(1): 46-49.

## **Personalized Embryo Transfer Helps in Improving In vitro Fertilization/ICSI Outcomes in Patients with Recurrent Implantation Failure.**

Patel JA, Patel AJ, Banker JM, Shah SI, Banker MR. J Hum Reprod Sci. 2019; 12(1):59-66. doi: 10.4103/jhrs.JHRS\_74\_18.

## **Endometrial Receptivity Analysis - a tool to increase an implantation rate in assisted reproduction.**

Hromadová L; Tokareva I; Veselá K; Trávník P; Veselý J.  
Ceska Gynekol. 2019; 84(3): 177-183.

## **What is the clinical impact of the endometrial receptivity array in PGT-A and oocyte donation cycles?**

Neves AR. et al  
J Assist Reprod Genet. 2019; 36: 1901

## **Evaluation of the endometrial receptivity assay and the preimplantation genetic test for aneuploidy in overcoming recurrent implantation failure.**

Cozzolino M. et al  
J Assist Reprod Genet. 2020; 37(12):2989-2997.

## **Comparing endometrial receptivity array to histologic dating of the endometrium in women with a history of implantation failure.**

Cohen AM. et al  
Syst Biol Reprod Med. 2020; 66(6):347-354.

## **Evaluation of Pregnancy Outcomes of Vitrified-Warmed Blastocyst Transfer before and after Endometrial Receptivity Analysis in Identical Patients with Recurrent Implantation Failure**

Kasahara Y. et al  
Fertility & Reproduction. 2020; 3(2):35-41

**The use of propensity score matching to assess the benefit of the endometrial receptivity analysis in frozen embryo transfers.**

Bergin K. et al

Fertil Steril. 2021; 116(2):396-403.

**Routine endometrial receptivity array in first embryo transfer cycles does not improve live birth rate.**

Riestenberg C. et al

Fertil Steril. 2021; 115(4):1001-1006.

**Clinical utility of the endometrial receptivity analysis in women with prior failed transfers.**

Eisman LE. et al

J Assist Reprod Genet. 2021; 38(3):645-650.