



Fertility Science and Research



Editorial

Dawn of a New Era

Kuldeep Jain¹

¹K J IVF and Laparoscopy Centre, Gagan Vihar, Delhi, India.



***Corresponding author:**
Kuldeep Jain, K J IVF and
Laparoscopy Centre, Gagan
Vihar, Delhi, India.

drkuldeepjain35@gmail.com

Received: 01 February 2024

Accepted: 09 February 2024

Published: 30 March 2024

DOI

10.25259/FSR_1_2024

Quick Response Code



The Journal of Fertility, Science and Research, the official publication of the Indian Fertility Society, has been at the forefront of publishing emerging clinical information in the field of fertility services and reproductive healthcare since its inception back in 2014. Since then the journal has published some high-quality clinical information over the years in the form of original investigations, reviews, case reports, case series, short communications, letters, etc. The journal started as a bi-annual journal and continued till 2022. Due to its growing popularity and increasing submissions, the journal became a quarterly publication in 2023. We feel proud to announce that starting in 2024, the journal is becoming a continuous publication. From 2024, any article, which successfully surpasses our rigorous double-blinded peer review process, will get published online with DOI. In an era where major bibliographic, prestigious portals such as SCOPUS, EMBASE and Clarivate's ESCI and SCiE, value the online first publication date for calculation of citation metrics, shifting to a continuous mode of publication was the ideal decision for the journal, to maximise visibility of the published content that will immensely benefit the concerned author(s). However, the journal will continue to bring out special issues, and in 2024, we plan to do the same on "genetics and andrology". Young researchers are invited to submit their original research articles and review articles on these subjects.

In our new endeavour to bring the journal with a new face, we have partnered with Scientific Scholar as the new publisher of our journal starting 2024 onwards. Our new submission portal will be <https://editorialassist.com/#/login/FSR>.

The successful path so far would not have been possible without the immense efforts of our society members, journal editors and reviewers who have been voluntarily serving the journal over the past several years. However, above all, we are immensely thankful to our authors, who have enriched the journal with high-quality and engaging clinical content in the past. In 2023, our authors published excellent, engaging content under diverse topics. Some of the review articles on key topics which were published and liked by our readers such as ovarian hyperstimulation syndrome-associated challenges in fertility treatment whenever ovarian stimulation is used to increase the number of eggs,^[1] correlation of genotoxicity with infertility and cancer development,^[2] the role of genetics, environmental, and lifestyle factors responsible for infertility,^[3] etc., and a fantastic mini-review discussing the practice of chromosomal screening for preimplantation genetic testing which greatly improves clinical pregnancy outcomes preventing carriers of genetic abnormalities through the selection of embryos that are free from any genetic mutation/chromosomal anomalies.^[4]

Apart from the reviews, the journal published some top-notch clinical investigations focusing on various molecular investigations touching different phenomena associated with *in vitro*

fertilisation. Some notable mentions are articles that discussed the significance of DNA-methyltransferases and histone deacetylases m-RNA expression in relation to accessing IVF outcome,^[5] utilisation of whole-genome single-nucleotide polymorphism (SNP)-based chromosome microarray as a diagnostic tool for recurrent pregnancy loss in modern India which has shown tremendous potential in understanding the aetiology of foetal loss and helps in evaluating the recurrence risk for chromosome aneuploidy,^[6] the comparison of intracytoplasmic morphologically selected sperm injection (IMSI) with intracytoplasmic sperm injection (ICSI), which concluded that IMSI had a higher likelihood of resulting in pregnancy in couples with male factor infertility,^[7] etc. The journal published some complex but well-presented studies, such as the treatment of refractory thin endometrium with autologous blood cell derivative (ABCD-Endosera)^[8] and an investigation which presented the identification of hypo-responders and customisation of controlled ovarian stimulation protocols based on genomic analysis combined with clinical parameters that led to a reduction in the number of cycles and eventually improving outcome or reproductive success.^[9] Lastly, we also published *in vivo* studies such as an investigation showing downregulation of homeobox gene A10 (HOXA10) is a transcription factor that plays a key role in maintaining endometrial homeostasis, is a consequence of endometriosis and may contribute towards its pathogenesis.^[10]

As a society, we are proud of our journal and the level of clinical content that we have been publishing over the years and we aim to continue doing the same in the future. We would encourage our authors to continue participating and enriching the journal with such engaging clinical research content. We are looking forward to the new journey ahead.

Dr. Kuldeep Jain
Editor-in-Chief
Fertility, Science and Research

REFERENCES

1. Mathur R. Challenges of OHSS in Modern Reproductive Medicine Practice. *Fertil Sci Res* 2023;10:6–8.
2. Nayar KD, Sanan S, Sethi A, Miglani S, Kant G, Nayar KD. The Role of Genotoxicity in Infertility and Cancer Development. *Fertil Sci Res* 2023;10:9–14.
3. Sharma M, Sharma B, Jamwal RS, Shah R, Kumar R. Role of Genetics, Environmental, and Lifestyle Factors Responsible for Infertility – A Review. *Fertil Sci Res* 2023;10:131–8.
4. Sharma P, Jain M, Halder A. Comprehensive Chromosomal Screening for Preimplantation Genetic Testing: A Mini-Review. *Fertil Sci Res* 2023;10:188–94.
5. Szalai S, Bódis J, Varjas T, Varnagy A, Godony K, Szenczi A, *et al.* Expression of mRNAs for DNA-Methyltransferases and Histone Deacetylases in Granulosa Cells and Follicular Fluid of Women Undergoing *In Vitro* Fertilization – A Pilot Study. *Fertil Sci Res* 2023;10:85–93.
6. Fauzdar A. Chromosome Microarray: An Advanced Genetics Diagnostics Tool for Helping Patients of Recurrent Pregnancy Loss in Modern Bharat. *Fertil Sci Res* 2023;10:112–6.
7. Devi MG, Sharma M, Goswami G, Walia D. Impact of Intracytoplasmic Morphologically Selected Sperm Injection Versus Intracytoplasmic Sperm Injection on *In Vitro* Fertilization Outcome in Cases of Poor Sperm Morphology or Sperm Deoxyribonucleic Acid Damage. *Fertil Sci Res* 2023;10:210–8.
8. Murdia K, Chandra V, Bhoi N, Gupta S, Gupta N, Mistari W, *et al.* Treatment of Refractory Thin Endometrium with Autologous Blood Cell Derivative (ABCD-Endosera): Advancing Toward a Next-Generation of Platelet-Derived Growth Factors in Frozen Embryo Transfer Cycles: A Pilot Study. *Fertil Sci Res* 2023;10:151–7.
9. Achuri A, Udumudi A. Improvement of Reproductive Outcome in Hypo-Responders Using Genomics Evidence Based Controlled Ovarian Stimulation (COS) – Demonstration Through Case Presentations. *Fertil Sci Res* 2023;10:145–50.
10. Mishra A, Modi D. Dynamics of HOXA10 Expression in Ectopic Endometrium of a Mouse Model of Endometriosis. *Fertil Sci Res* 2023;10:195–204.

How to cite this article: Jain K. Dawn of a New Era. *Fertil Sci Res*. 2024;11:1. doi: 10.25259/FSR_1_2024.