

FERTILITY SCIENCE

2023

Dear colleagues,

On behalf of Instituto Sapiientiae and Fertility Medical Group, I hope you all have a fantastic 2024 with the same enthusiasm in the field of Science.

See below our **2023 scientific production:**

ARTICLES



Progesterone-primed cycles result in slower embryos without compromising implantation potential and with the advantages of oral administration and potential cost reduction

Daniela Paes de Almeida Ferreira Braga, Amanda Setti, Edward Carrilho, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

[Access Article](#)



Molecular Reproduction
& Development

Previous infection with SARS-CoV-2 impacts embryo morphokinetics but not clinical outcomes in a time-lapse imaging system

Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr., Edson Borges Jr.

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Time-lapse monitoring: An adjunct tool to select embryos for preimplantation genetic testing

Daniela Paes de Almeida Ferreira Braga, Amanda S Setti, Patricia Guilherme, Christina Morishima, Assumpto Iaconelli Jr, Edson Borges Jr.

[Access Article](#)



The effect of sperm DNA fragmentation on ICSI outcomes depending on oocyte quality

Daniela Paes Almeida Ferreira Braga, Amanda Setti, Christina Morishima, Rodrigo R. Provenza, Assumpto Iaconelli Jr., Edson Borges Jr.

[Access Article](#)



Controversy and consensus on the management of elevated sperm DNA fragmentation in male infertility: a global survey, current guidelines, and expert recommendations

Ala'a Farkouh, Ashok Agarwal, Edson Borges Jr., et al.

[Access Article](#)

Consensus and Diversity in the Management of Varicocele for Male Infertility: Results of a Global Practice Survey and Comparison with Guidelines and Recommendations

Rupin Shah, Ashok Agarwal, Edson Borges Jr., et al.

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The child's right to know vs. the parents' right not to tell: the attitudes of couples undergoing fertility treatments towards identity-release gamete donation

Douglas Oliveira Rocha, Rose Marie Massaro Melamed, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr, Edson Borges Jr.

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JIVFww

Descriptive analysis of Rekovelle® “real-world” experience

Edson Borges Jr., Daniela Paes de Almeida Ferreira Braga, Patricia Guilherme, Assumpto Iaconelli Jr., Amanda Souza Setti.

[Access Article](#)



Serum anti-Müllerian hormone concentrations are related to embryo development: lessons from time-lapse Imaging

Amanda Souza Setti, Daniela Paes de Almeida Ferreira Braga, Patricia Guilherme, Assumpto Iaconelli Jr, Edson Borges Jr.

[Access Article](#)



Serum miR-181d-5p levels in response to controlled ovarian stimulation: predictive value and biological function

Maria Gabriela F. Mulato, Luana Marianni Herculim, Daniela Braga, Amanda S. Setti, Rita de Cassia S. Figueira, Lais Rosa Viana, Carla de Moraes Salgado, Maria Cristina Cintra Gomes Marcondes, Edson Borges Jr., Murilo Vieira Geraldo.

[Access Article](#)

Ovarian stimulation with luteinizing hormone supplementation: the impact of timing on ovarian response and ICSI outcomes

Amanda Setti, Daniela Paes de Almeida Ferreira Braga, Assumpto Iaconelli Jr, Edson Borges Jr.

[Access Article](#)

Beetroot, watermelon and ginger juice supplementation may increase the clinical outcomes of intracytoplasmic sperm injection cycles

Gabriela Halpern, Daniela Paes de Almeida Ferreira Braga, Christina Morishima, Amanda Souza Setti, Assumpto Iaconelli Setti Jr, Edson Borges Jr.

[Access Article](#)

Delphi consensus on add-ons and social media in Assisted Reproductive Technology

Alvaro Ceschin, Álvaro Petracco, Edson Borges Jr, Emerson Barchi Cordts, Hitomi Miura Nakagawa, Maria do Carmo Borges de Souza, Maria Madalena Pessoa Caldas, Newton Eduardo Busso, Paulo Gallo de Sá, Pedro Augusto Araújo Monteleone, Rui Alberto Ferriani

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CONGRESSES



European Society of Human Reproduction and Embryology (ESHRE) Annual Meeting

Morphokinetic embryo behavior in low-prognosis patients according to the POSEIDON criteria: a retrospective analysis of 3326 injected oocytes

Amanda Setti, Daniela Paes de Almeida Ferreira Braga, Rodrigo Rosa Provenza, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Presentation](#)

Similar mean follitropin delta daily/total doses yield satisfactory ICSI outcomes in different subgroups of maternal age and body mass index: a “real-world” experience with Rekovelle®

Edson Borges Jr., Amanda Souza Setti, Daniela Paes de Almeida Ferreira Braga, Patricia Guilherme, Assumpto Iaconelli Jr.

[Open Poster](#)

Morphokinetic embryo behavior in oocyte presenting with dimorphisms: an analysis of 1158 injected oocytes

Christina Morishima, Amanda Setti, Daniela Paes de Almeida Ferreira Braga, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

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Progesterone-primed cycles result in slower embryos without compromising the implantation potential, with the advantage of oral administration and potential cost reduction: A time-lapse imaging study

Edward Carilho, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

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Abnormal Oocytes are more likely to lead to abnormal embryo divisions (Direct Unequal Cleavage, DUC), but do not compromise embryo quality as assessed using CHLOE-EQ score

Cristina Hickman, Daniela Braga, Patrícia Guilherme, Amanda Setti, Edson Borges Jr.

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Congresso Brasileiro de Reprodução Assistida (CBRA)

The predictive value of post warming morphokinetic factors for embryo implantation

Melissa Cavagnoli, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Patrícia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Poster](#)

Understanding the implications of follicular output rate (FORT) and follicle to oocyte index (FOI) on human embryo morphokinetics

Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Mario Firmino, Christina Morishima, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Poster](#)

Association between meteorological season at the time of embryo transfer and pregnancy outcomes in freeze-all cycles: lessons from seasonal reproductive mammals

Amanda Souza Setti, Daniela Paes de Almeida Ferreira Braga, Edward Carrilho, Patrícia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

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Congreso General Red Latinoamericana de Reproducción Asistida (REDLARA)

Progesterone-primed cycles result in slower embryos without compromising implantation potential and with the advantages of oral administration and potential cost reduction: A time-lapse imaging study

Edson Borges Jr., Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Edward Carrilho, Patricia Guilherme, Assumpto Iaconelli Jr.

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American Society for Reproductive Medicine (ASRM) Scientific Congress & Expo

Ovarian stimulation with recombinant human luteinizing hormone and follicle stimulating hormone combination treatment: a descriptive analysis of embryonic morphokinetic data

Amanda Setti, Daniela Paes de Almeida Ferreira Braga, Patrícia Guilherme, Assumpto Iaconelli Jr., Florian Kohlhepp, Juan Enrique Schwarze, Kris Bogaerts, Monica Lispi, Juliana Stevanato, Edson Borges Jr.

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Understanding the implications of follicular output rate (FORT) and follicle to oocyte index (FOI) on embryo morphokinetics

Daniela Braga, Amanda Souza Setti, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

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Livebirth achieved in a case of hypergonadotropic hypogonadism nonobstructive azoospermia, treated with GnRH agonist and gonadotrophins

Daniela Braga, Amanda Souza Setti, Patricia Guilherme, Assumpto Iaconelli Jr., Edson Borges Jr.

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BOOK CHAPTERS

Male Infertility, 1st Edition.

Publishers: Ashok Agarwal, Florence Boitrelle, Hassan Nooman Sallam and Ramadan Saleh

Chapter: Surgical sperm retrieval and processing for ART

Authors: Edson Borges Jr., Amanda Setti, Daniela Paes de Almeida Ferreira Braga

Publishing company: Elsevier

[See more](#)

BOOK CHAPTERS

Manejo inicial da paciente infértil pelo ginecologista

Publisher: Federação Brasileira de Associações de Ginecologia e Obstetrícia (FEBRASGO)

Chapter: Infertilidade Masculina: Abordagem Do Ginecologista

Authors: Edson Borges Jr., Daniela Paes de Almeida Ferreira Braga

Publishing company: FEBRASGO

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Sincerely yours,

Edson Borges Jr., MD, PhD
Director

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