

# FERTILITY SCIENCE

Newsletter 01|2021

Dear colleagues,

On behalf of Fertility Medical Group, I wish you all a Happy New Year.

I hope you all have a fantastic 2022 with the same enthusiasm in the field of Science.

See below our 2021 **scientific production**:

## ARTICLES

### Fertility and Sterility.

**Oocyte ability to repair sperm DNA fragmentation: the impact of maternal age on intracytoplasmic sperm injection outcomes**

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

[Access Article](#)



**Morphokinetic parameter comparison between embryos from couples with high or low sperm DNA fragmentation index**

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

[Access Article](#)

## Early and late paternal contribution to cell division of embryos in a time-lapse imaging incubation system

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

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## Post-Vasectomy Semen Analysis: Optimizing Laboratory Procedures and Test Interpretation through a Clinical Audit and Global Survey of Practices

Ashok Agarwal, Edson Borges Jr. et al.

[Access Article](#)



## Adenomyosis and *in vitro* fertilization impacts - A literature review

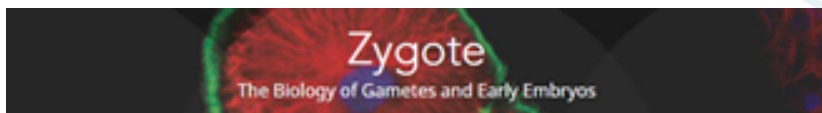
Ana Luíza Assin Squillace, Daniela Simões Simonian, Marcella Cardoso Allegro, Edson Borges Júnior, Paulo Homem de Mello Bianchi, Mauro Bibancos

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## Sperm Selection for micro TESE-ICSI in Non-Obstructive Azoospermia, a Case Report

Mauro Bibancos, Rodrigo Markus Vaz, Paulo Ferreira Mega, Edson Borges Jr., Mariana Ribeiro, Davi Buttros, Wagner Eduardo Matheus, Ilaria Cosci, Carlo Foresta, Andrea Garolla

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## **Cryopreservation of both male and female gametes leads to reduced embryo development and implantation potential**

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

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## **Fresh oocyte cycles yield improved embryo quality compared with frozen oocyte cycles in an egg-sharing donation programme**

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

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## **Current status of the COVID-19 and male reproduction: A review of the literature**

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

[Access Article](#)

## **Austin Journal of Reproductive Medicine & Infertility**

### **Motherhood Plan: Has it Changed in Face of the COVID-19 Pandemics?**

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

[Access Article](#)

## Improving Implantation Rate in 2nd ICSI Cycle through Ovarian Stimulation with FSH and LH in GNRH Antagonist Regimen

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

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## PRESENTATIONS AT CONGRESSES



### High sperm DNA fragmentation index negatively impacts embryo morphokinetics, but not embryo morphology and development rates: the importance of time-lapse imaging system

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

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### The impact of sperm DNA fragmentation on pregnancy outcomes depends on oocyte dimorphisms

Amanda Souza Setti, Daniela Paes de Almeida Braga, Rodrigo Rosa Provenza, Patrícia Guilherme, Assumpto Iaconelli Jr. e Edson Borges Jr.

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**Paternal ageing impacts blastulation and the outcomes of pregnancy at different levels of maternal age: a clustering analysis of 21,960 injected oocytes and 3837 ICSI cycles**

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

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**Improved embryonic development and utilization rates with EmbryoScope: A within-subject comparison versus a benchtop incubator**

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

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

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

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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**

Joana Nogueiras Simas, Daniela Braga, Amanda Souza Setti, Rose Melamed, Assumpto Iaconelli Jr. e Edson Borges Jr.

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## Time-lapse monitoring: an adjunct tool for selecting embryos for preimplantation genetic testing

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

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## Morphokinetic parameters comparison between embryos from couples with high or low sperm DNA fragmentation index: what is the human eye missing during conventional morphological assessment?

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

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## High oocyte immaturity rates impact embryo morphokinetics: lessons of time-lapse imaging system

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

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### **Embryos morphokinetics: does the source of gonadotrophin preparations matter?**

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

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### **Serum anti-müllerian hormone concentrations impacts not only the quantity, but also the quality of the ovarian reserve: the importance of time-lapse imaging system**

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

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### **Letrozole co-treatment in ovarian stimulation with r-FSH delays embryo morphokinetics and worsen clinical outcomes**

Assumpto Iaconelli Jr., Amanda Souza Setti, Daniela Paes de Almeida Ferreira Braga, Patrícia Guilherme, Rodrigo Rosa Provenza, Livia Vingris, Edson Borges Jr.

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### **O impacto negativo da microlitíase testicular no desenvolvimento e implantação embrionários em ciclos de fertilização in vitro**

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

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**Uso de espermatozoides epididimários em ciclos de fertilização in vitro avaliados pelo sistema de cultivo timelapse: embriões mais lentos e com maiores taxas de multinucleação e padrões anormais de divisão celular**

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

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Sincerely yours,

Edson Borges Jr., MD, PhD  
Director

