



Newsletter 01/2019

Dear colleagues,

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

I hope you all have a fantastic 2020 with the same enthusiasm in the field of Science.

See below our 2019 scientific production:

ARTICLES



- Lipidomic profile as a noninvasive tool to predict endometrial receptivity

Daniela Paes de Almeida Ferreira Braga, Edson Borges Jr., Adriana Godoy, Daniela Antunes Montani, Amanda Souza Setti, Bianca Ferrarini Zanetti, Rita de Cássia Sávio Figueira, Marcos Nogueira Eberlin, Edson Guimaraes Lo Turco.

[Open Article](#)

- Metabolomic profile as a noninvasive adjunct tool for the diagnosis of Grades III and IV endometriosis-related infertility

Braga DPAF, Montani DA, Setti AS, Turco EGL, Oliveira-Silva D, Borges E

[Open Article](#)



- Revisiting the impact of ejaculatory abstinence on semen quality and intracytoplasmic sperm injection outcomes

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

[Open Article](#)



- Association between parental anthropometric measures and the outcomes of intracytoplasmic sperm injection cycles

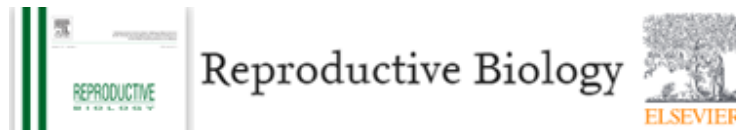
Amanda Souza Setti, Gabriela Halpern, Daniela Paes de Almeida Ferreira Braga, Rita de Cássia Sávio Figueira, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Article](#)

- Understanding oocyte development mechanisms by follicular fluid lipidomics

Daniela Antunes Montani, Daniela Paes de Almeida Ferreira Braga, Edson Borges Jr., Mariana Camargo, Fernanda Bertuccez Cordeiro, Eduardo Jorge Pilau, Fábio Cesar Gozzo, Renato Fraietta, Edson Guimarães Lo Turco

[Open Article](#)



- Predictive factors for biochemical pregnancy in intracytoplasmic sperm injection cycles

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

[Open Article](#)



- Ovarian response to stimulation and suboptimal endometrial development are associated with adverse perinatal outcomes in intracytoplasmic sperm injection cycles.

Edson Borges Jr., Bianca Ferrarini Zanetti, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Rita Cássia Sávio Figueira, Assumpto Iaconelli Jr.

[Open Article](#)

- Preimplantation genetic testing for monogenic diseases: a Brazilian IVF center experience.

Bianca Ferrarini Zanetti, Daniela Paes de Almeida Ferreira Braga, Matheus de Castro Azevedo, Amanda Souza Setti, Rita de Cássia Sávio Figueira, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Article](#)

- Serum metabolites as predictive molecular markers of ovarian response to controlled stimulation: a pilot study

Borges E, Montani DA, Setti AS, Zanetti BF, Figueira RCS, Iaconelli A Jr, Oliveira-Silva D, Braga DPAF.

[Open Article](#)



- The obstructive interval predicts pregnancy rates in post-vasectomy patients undergoing intracytoplasmic sperm injection with surgical sperm retrieval

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

[Open Article](#)

**Fertility
and Sterility.**



- Sperm DNA fragmentation is correlated with poor embryo development, lower implantation rate and higher miscarriage rate in reproductive cycles of non-male factor infertility

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

[Open Article](#)



- Male Oxidative Stress Infertility (MOSI): Proposed Terminology and Clinical Practice Guidelines for Management of Idiopathic Male Infertility

Ashok Agarwal, Edson Borges Jr., et al.

[Open Article](#)

PRESENTATIONS AT CONGRESSES



- Serum microRNA profiling for the identification of predictive molecular markers of the response to controlled ovarian stimulation

Edson Borges Jr., Maria Gabriela Ferreira Mulato, Amanda Souza Setti, Assumpto Iaconelli Jr., Murilo Vieira Geraldo, Daniela Paes de Almeida Ferreira Braga

[Open Presentation](#)

- Immature oocyte incidence: contributing factors and effects on intracytoplasmic sperm injection cycles

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

[Open Presentation](#)

- Serum metabolomic profiling as a novel approach for the diagnosis of grade III and IV endometriosis

Daniela Paes de Almeida Ferreira Braga, Daniela Antunes Montani, Amanda Souza Setti, Assumpto Iaconelli Jr., Diogo de Oliveira Silva, Edson Borges Jr.

[Open Poster](#)



- Impact of paternal age, ejaculatory abstinence length and semen quality on the outcomes of intracytoplasmic sperm injection (ICSI) in an egg-sharing donation program

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

[Open Presentation](#)

- Predictive factors for biochemical pregnancy in intracytoplasmic sperm injection cycles

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

[Open Poster](#)

- The obstructive interval predicts pregnancy chance in post-vasectomy patients undergoing intracytoplasmic sperm injection with surgical sperm retrieval

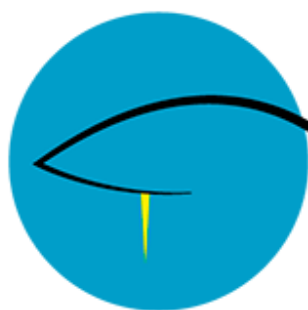
Edson Borges Jr., Daniela Paes de Almeida Ferreira Braga, Rodrigo R. Provenza, Assumpto Iaconelli Jr., Amanda Souza Setti

[Open Poster](#)

- Serum metabolites as molecular predictive markers of ovarian response to controlled stimulation

Daniela Antunes Montani, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr., Edson Borges Jr., Diogo Oliveira Silva

[Open Poster](#)



XXIII Congresso Brasileiro de
Reprodução Assistida

31 de julho a 03 de agosto de 2019
ExpoUnimed - Curitiba - Paraná

- Predictive factors for successful pregnancy in an egg-sharing donation program

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

[Open Presentation](#)

- Dual trigger is more effective than r-hCG trigger in patients with advanced maternal age and low rates of oocyte retrieval, mature oocyte and blastocyst development in previous r-hCG triggered ICSI cycles

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

[Open Poster](#)



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

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

[Open Presentation](#)

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

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

[Open Poster](#)

- Fresh oocyte cycles yield improved embryo quality and surplus embryo cryopreservation rates compared to frozen oocyte cycles in an egg-sharing donation program

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

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- Oocyte donor implantation and pregnancy rates predict oocyte recipient pregnancy chance in an egg-sharing donation program

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

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- Serum metabolomic profile as a non-invasive adjunct tool for the diagnosis of endometriosis-related infertility

Daniela Antunes Montani, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr., Diogo Oliveira-Silva, Edson Borges Jr.

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- Sperm DNA fragmentation reduces embryo development and ongoing pregnancy in couples with non-male factor infertility undergoing intracytoplasmic sperm injection cycles

Matheus de Castro Azevedo, Bianca Ferrarini Zanetti, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr., Edson Borges Jr.

[Open Poster](#)

- Circulating miR-181d-5p levels as predictor of ovarian response in women undergoing controlled ovarian stimulation

Maria Gabriela Ferreira Mulato, Daniela Paes de Almeida Ferreira Braga, Amanda Souza Setti, Assumpto Iaconelli Jr., Edson Borges Jr., Murilo Vieira Geraldo

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- Improving implantation rate by adding recombinant LH supplementation to recombinant FSH during controlled ovarian stimulation in GnRH antagonist regimen

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

[Open Poster](#)

BOOK CHAPTER

- Critical factors for optimising sperm handling and ICSI outcomes

Edson Borges Jr., Amanda Souza Setti, Daniela Paes de Almeida Ferreira Braga in: *Manual of Sperm Retrieval and Preparation in Human Assisted Reproduction*, Ashok Agarwal; Ahmad Majzoub; Sandro C Esteves.

[To see our scientific development click here](#)

[To see our previous scientific production click here](#)

Sincerely yours,
Edson Borges Jr., MD, PhD
Director