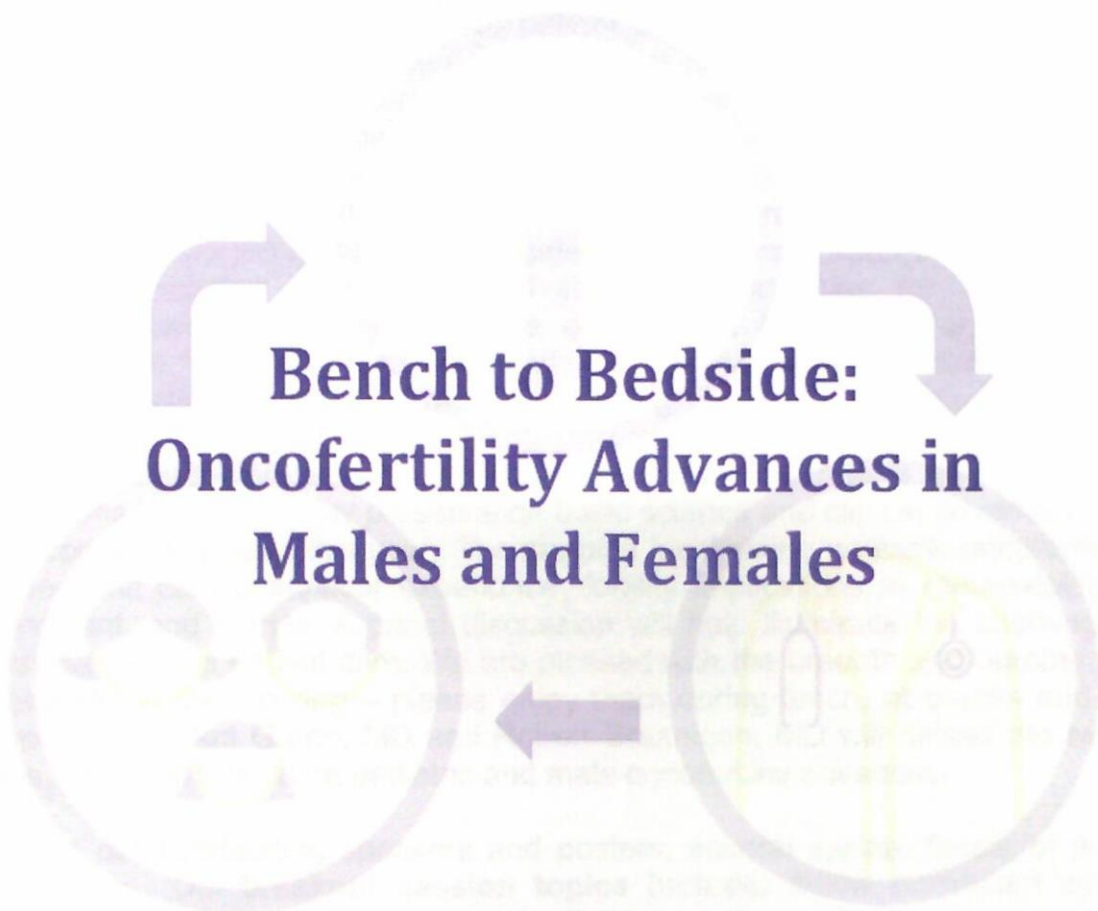


2014 Oncofertility Conference

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Bench to Bedside: Oncofertility Advances in Males and Females

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Oncofertility in Brazil: Panorama in Cryopreservation of Male and Female Gametes within the Brazilian Oncofertility Consortium

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The Brazilian Oncofertility Consortium (BOC) consists in networks from eight centers of Assisted Reproduction, in Brazil, in order to dedicate to customers service and research about Oncofertility. Since its foundation on April 11th, 2013, the Oncofertility in Brazil has risen as a very important and strong field. The preservation of fertility in cancer patients has gained popularity by that, what has contributed for the increase in cryopreservation of gametes of young cancer patients before chemo/radiotherapy.

Objective: To describe the distribution of procedures of cryopreservation of semen, oocytes and ovarian tissue of cancer patients in the centers members of the Brazilian Oncofertility Consortium.

Methods: Analysis of how many oncological male (semen) and female (oocyte and ovarian tissue) samples were cryopreserved in each reproductive medicine center members of the BOC over the operation of them. Six of the eight centers members have contributed with data for this analysis, four with semen cryopreservation data, six with oocyte cryopreservation data and two with ovarian tissue cryopreservation data.

Results: A total of 484 cancer patients have cryopreserved samples, 84% (n=405) were male patients, 15% (n=73) were patients who cryopreserved oocytes, and 1% (n=6) were patients who cryopreserved ovarian tissue. The samples were from Rio Grande do Sul state (South) – 22%, Minas Gerais state (Southwest) – 35%, state of São Paulo (Southwest) – 41% and from the Federal District (Midwest) – 2%. Among the main diagnoses of cancer were: Hodgkin linfoma, leukemia, breast cancer and testis tumor. Some autoimmune diseases were also diagnosed.

Conclusion: The Oncofertility has grown in Brazil. Greater number of sites where the patient can go to cryopreserve gamete samples has grown increasingly over the years. There is still to much to do, mainly about the sense of the oncologists in forward the cancer patients to the reproductive medicine specialist.