

## **Female throuple seeking Assisted Reproduction Treatment: Report of desires and reproductive possibilities**

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Polyamory is one of the contemporary non-monogamous relationship modalities that values and affirms the possibility of engaging lovingly and sexually consensual and concomitant mode with more than one person. Given that emotional and sexual intimacy is an important part of the life of most people, understanding the varied ways in which people navigate their intimate lives is important to the care of patients who come to assisted reproduction clinics. This research is a case study on how polyamory it is subjectively configured in a relational arrangement between three women. **Objective:** To evaluate desires and possibilities of an assisted reproduction treatment in a female throuple relationship, highlighting aspects related to medical indication, psychological assessment and ethics discussion. **Participants/Methods:** Follow up Female throuple (3 women), who looked for treatment in a private reproductive medicine clinic in Belo Horizonte/Brazil, in January 2023. **Case report:** Patient 1 (39 years) and patient 2 (38 years) - stable union for 10 years and intended to have children. Patient 3 (34 years old), had heterosexual; transgender and homoaffective relationships. In 2019, patient 3 met patient 1. Later, patient 3 met patient 2 - they had a great identification and began a throuple relationship. They sought the clinic for treatment. After a favorable medical evaluation, the throuple had a psychological evaluation, with individual and group consultation, where they could talk about their desires and treatment possibilities. The case was presented to the Ethics Committee of the clinic (composed by physicians, psychology, nurse and embryologist). Considering the determination of Federal Council of Medicine (CFM) Resolution No. 2.320/2022, that all capable person who have requested the procedure and whose indication does not deviate from the limits of this resolution, may be recipients of assisted reproduction techniques; and in the event of embryos formed from different donors, embryo transfer should be performed with embryos of a single origin for the safety of offspring and traceability, the Ethics Committee determined that there was no contraindication for the treatment involving the throuple. In the psychological sessions, they expressed their desires and expectations regarding the treatment and with the medical advice, they decided by an in vitro fertilization with heterologous semen, using the oocyte of the three, but patient 2 does not want pregnancy. **Conclusion:** New family arrangements represent a challenge for assisted reproduction treatments. It is necessary a good listening by the multidisciplinary team and adequate guidance on the available treatments, respecting the norms in the Resolution of the Federal Council of Medicine (CFM).

**Keywords:** Throuple, Desires, Possibilities, In Vitro Fertilization