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Pre-implantational tests: Why do you use them?

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Assisted fertilization is the most advanced treatment for the infertile couple, with implantation rates ranging from 27 to 35%. Genetic diagnosis prior to pre-implantation transfer is an established and consolidated procedure in the world and has become popular due to the postponement of maternity, either for financial reasons or for professional reasons, thus raising the risk of genetic alterations. PGD (Pre-implantation Genetic Diagnosis) and PGS (Pre-Gestational Chromosome Screening) aim to avoid the transfer of embryos with genetic or chromosomal alterations, allowing the transfer of healthy embryos thus avoiding the pregnancy of compromised fetuses. In Brazil these tests are rarely used and it is only allowed in cases where there is a risk of rare, serious diseases that can be fatal or at least debilitating. The population needs to be clarified and the technique should be diffused.

Biography

Waldemar Naves do Amaral holds a Medical Degree from the Federal University of Goiás (1985), completed a specialization in Gynecology and Obstetrics, specialization in Diagnostic Imaging (ultrasonography), Master's Degree in Infectious and Parasitic Diseases from the Institute of Tropical Pathology and Public Health (2003) and a PhD in Infectious Diseases and Parasitic Diseases by the Institute of Tropical Pathology and Public Health (2006). He is currently working as Adjunct Professor at the Federal University of Goiás, Academic Director of Dona Íris Hospital and Maternity, Technical Director of the Military Police Hospital of the State of Goiás, Academic Director of the Faculty of Military Police of the State of Goiás, Chief of Medical Service of the Command of Health of the Military Police of the State of Goiás, President of the International Federation of Ultrasound of Latin America (Fisusal), President of the Brazilian Society of Ultrasound, President of the Brazilian Society of Medical Writers, Goiás Section and President of the Brazilian Society of Video Surgery. He is a member of the Goiás Academy of Medicine (chair No. 5), National Academy of Health of Military Police and Military Firemen of Brazil (chair No. 52), Goian Society of Gynecology and Obstetrics, Technical Chamber of Assisted Reproduction of the Federal Council of CFM, Scientific Director of the Medical Association of Goiás, Technical Director of Fértil Diagnósticos, Adviser of the Regional Council of Medicine of the State of Goiás (Cremego), author of over 34 scientific books and scientific editor of 4 journals. He is Vice Director of the Faculty of Medicine of UFG. He has experience in Medicine, with emphasis on Human Reproduction, Fetal Medicine and working mainly in the following subjects: High Risk Pregnancy, Ultrasonography, Fetal Medicine, Human Reproduction and Gynecological Endoscopy.

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