

ARTIFICIAL REPRODUCTIVE TECHNOLOGIES – A BIOETHIC PERSPECTIVE

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Introduction

In a world in which the infertility rate is rising perilously, the artificial reproductive technologies bring with them a beam of hope, but, in the same time, they are challenging humanity with unusual bioethical problems.

Keywords

Assisted human reproduction, bioethics

Purpose

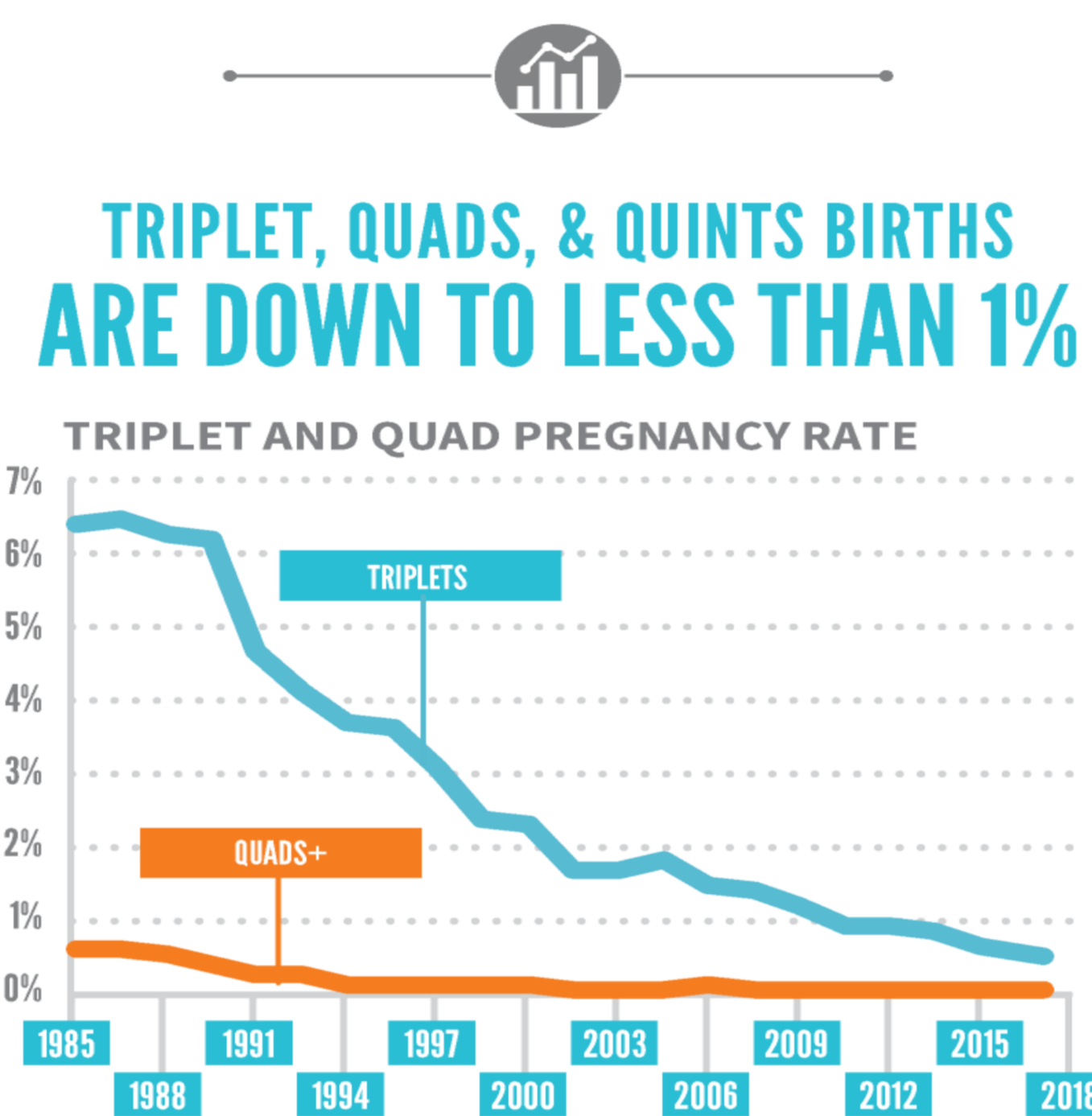
Presentation and discussion of artificial reproductive technologies' main bioethical aspects.

Material and methods

For study accomplishment were used both international bibliographical resources and autochthonous one, also scientific publications.

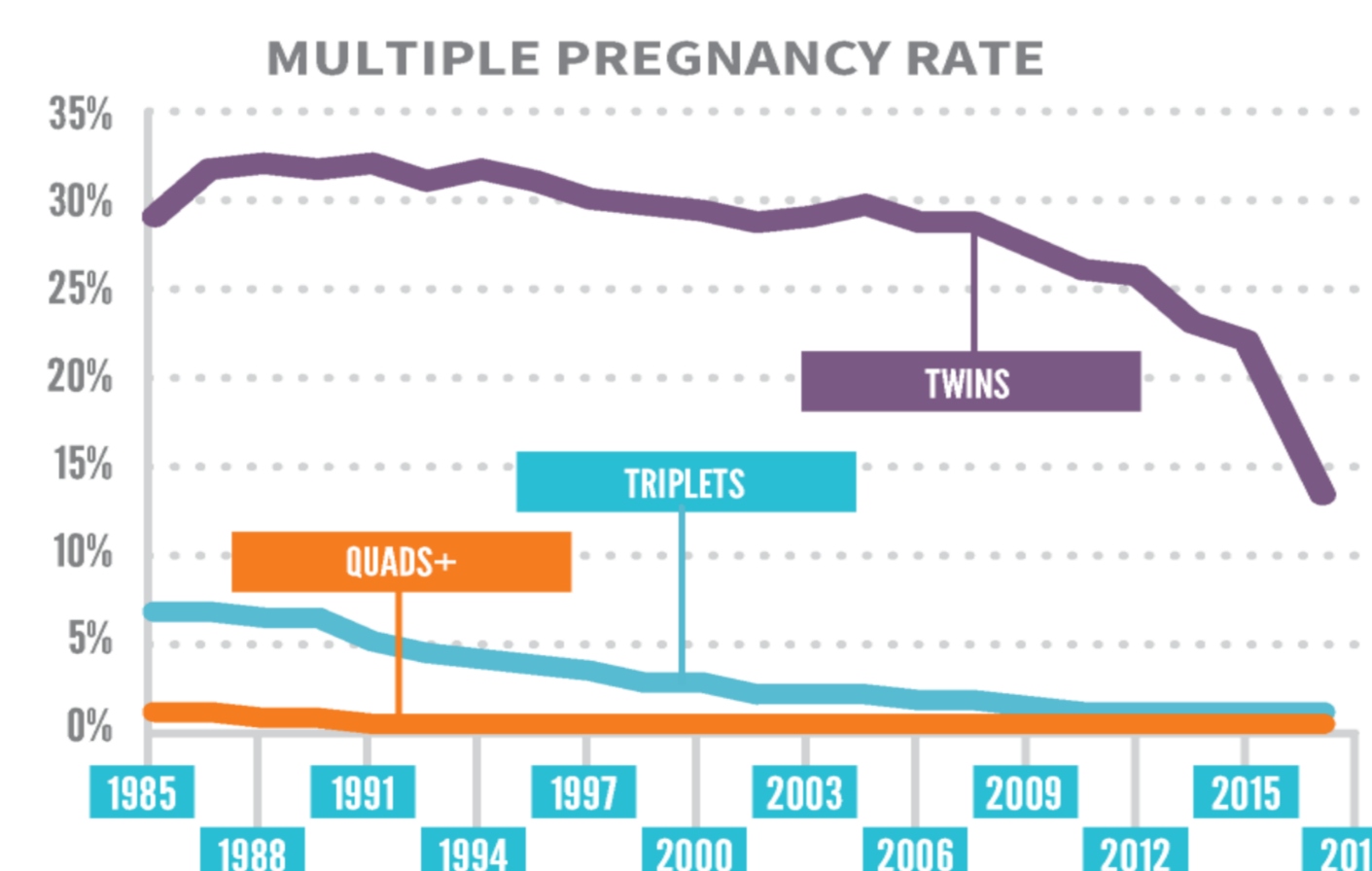
Fewer Multiple Pregnancies

Dramatic reductions in the chance for triplet and higher order pregnancies have followed from the transfer of fewer embryos.



Even the twin pregnancy rate is falling.

**13% OF BIRTHS
RESULTED IN TWIN BIRTHS IN 2017**



Definition: The percent of liveborn deliveries after first embryo transfer in women using their own eggs that were twins, triplets, or quadruplet (or more).

Significance: Reducing multiple pregnancy to lessen infant morbidity has been an important goal in the field for several decades. With the implementation of guidelines to transfer fewer embryos, this effort has been successful. Currently, twin deliveries are half as high as they were 10 years ago, and triplet (or more) deliveries are now rare.

Results

The main ethical and juridical problems brought up by assisted human reproduction (AHR) regard gametes donation, substitute motherhood, cryoconservation of gametes and embryos. Gametes donation questions the rights of the donor, the rights of the recipient and the criteria applied by the gametes collector corporations. Substitute motherhood is being subjected to some heated polemics because of the filiation problems it generates, as well as the difficulties with surrogate mother's rights. Not less controversial is the procedure of cryoconservation of gametes and embryos, which tackles fundamental questions like: When a human being becomes a personality ?

Conclusions

AHR is capable of changing the millennial humanity's paradigm about reproduction and the kinship of descendants with their progenitors, that is why the utilization of that techniques demands precaution and sapience.

Statistics of multiple pregnancies

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