WHAT IS ASSISTED REPRODUCTIVE TECHNOLOGY?



INFORMATION FOR PATIENTS FROM THE AFRICAN NETWORK AND REGISTRY FOR ART

Assisted Reproductive Technology (ART) is a form of treatment to help women and couples get pregnant. It involves taking eggs from a woman's body and then fertilizing the eggs with sperm in the ART laboratory. One or more fertilized eggs are then placed back in the womb to achieve a pregnancy.

*The scientific definition of ART is "All interventions that include the in vitro handling of both human oocytes and sperm or of embryos for the purpose of reproduction" (International Glossary on Infertility and Fertility Care, 2017)

WHO CAN BENEFIT FROM ART?-

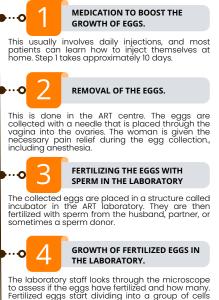
Any person or couple struggling or unable to get pregnant may benefit from ART. For some patients ART may be the only treatment for getting pregnant, while others may benefit after other forms of treatment have failed. In Africa, the commonest reasons to use ART are blocked tubes, weak sperm, ovulation disorders and endometriosis but there are also many other reasons.

WHAT IS AN ART CENTRE?-

It is a hospital or clinic that provides ART through a team of medical doctors, laboratory staff and nurses who have been trained in ART. In Africa, the majority of ART centres are located in the private health sector.

WHAT IS AN ART CYCLE?

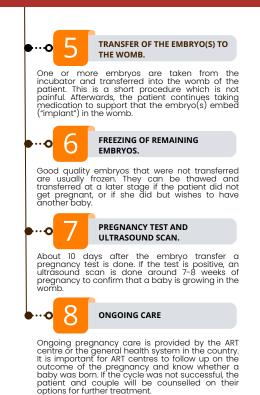
ART involves a series of steps all of which together are called a "ART cycle". Typically, these steps are:



First laboratory start loos through the finitescope to assess if the eggs have fertilized and how many. Fertilized eggs start dividing into a group of cells called "embryo". Embryos usually stary in the incubator for 3-5 days. Most eggs fertilize successfully and grow into embryos, but some may not.

IS ART EFFECTIVE? -

ART is not a guarantee for a each baby but many year thousands of babies are born from ART around the world. Many factors can affect the chance of success including the age of the woman, number of attempts (treatment cycles) the and individual circumstances of each person or couple.



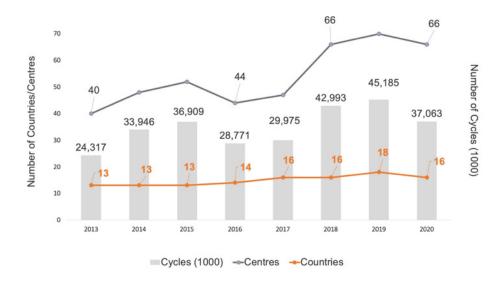
— IS ART SAFE?

safe ART serious is and complications caused directly by ART very rare. However, are pregnancy complications can occur and some of these can be serious for mother and baby. Complications are more frequent in multiple pregnancies (two or more babies growing in the womb) compared to singleton pregnancies (one baby).

ANARA stands for "African Network and Registry for ART". The network represents participating ART centres who voluntarily submit information on the treatment they provide to the registry. All data are anonymous, meaning no patient can ever be identified from the information that is shared. In addition, no data from each individual ART centers are ever disclosed. The registry monitors how available, effective and safe ART care is in Africa. ART monitoring is an important part of quality ART and happens in most regions of the world. Centres belonging to ANARA are listed on the ANARA website.

FIGURE 1: ART monitoring in Africa (Source: The African Registry for ART, 2020)

The graph shows the number of cycles, centres and countries in the registry and network since ANARA was formed.



This factsheet is brought to you by the African Network and Registry for ART (ANARA) in cooperation with the Latin American Registry of Assisted Reproduction (RLA) and Network (REDLARA). It is endorsed by the International Committee for Monitoring ART (ICMART), the African Federation of Fertility Societies (AFFS)*, and Groupe Interafricain d'Etude, de Recherche et d'Application sur la Fertilité (GIERAF)**.

This information does not replace individual medical advice of a qualified care provider in ART.

