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China launches world's largest real-world study on male infertility

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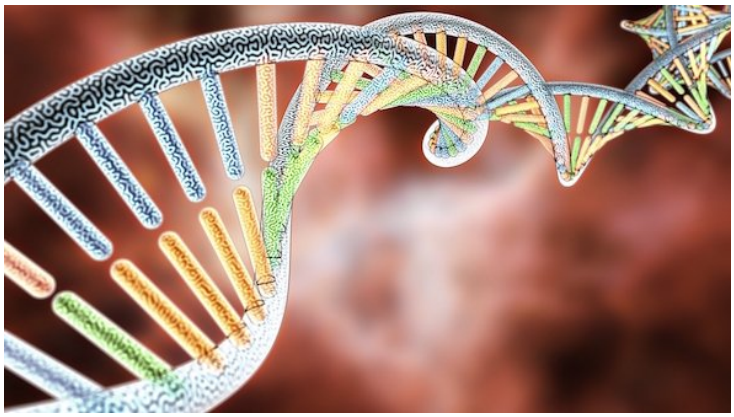
The study will complete a database of at least 100,000 high-quality samples and phenotypes of reproduction-related genes of Chinese males within three years



The 'Caring for Men's Health' Charity Fund of the Chinese Primary Health Care Foundation and the Andrology Branch of Chinese Medical Association have announced the launch of the 'Real World Study on the Screening and Diagnosis of Chinese Male Reproduction-related Genes and Construction of the Chinese Male Reproduction-Related Gene Database' project.

This project is currently the world's largest real-world research project on male reproduction-related genes. NuProbe is the only third-party organisation that provides technical support for this project.

The real-world study will complete a database of at least 100,000 high-quality samples and phenotypes of reproduction-related genes of Chinese males within three years. These phenotypes include non-obstructive azoospermia and severe oligospermia, obstructive azoospermia, teratozoospermia, disorders of sexual development, idiopathic hypogonadotropic hypogonadism and other common causes of clinical male infertility.

The database will uncover the mutation frequency, distribution and phenotypic characteristics of Chinese male infertility-related genes. Based on this, physicians will systematically standardise the criteria for phenotype collection, genetic testing and variant interpretation of male infertility in China, and establish a resource collection network, sample database, phenotype database, genotype database and molecular epidemiology database for male infertility.