



CHOICES BEYOND GENOME EDITING

— You May Consider —

Selective reproduction or preimplantation genetic diagnosis (PGD)

It includes preimplantation genetic diagnosis (PGD) of the embryo before IVF or intracytoplasmic sperm injection and transferring only the unaffected embryos.



Somatic gene therapy

It is gene therapy that is done after birth. Studies are being done to establish its efficacy in treating conditions such as AIDS, cancer, beta thalassemia, and hemophilia.

Using a donated embryo

Couples with inheritable genetic disorders may consider using a donated embryo to achieve pregnancy.



Medical management of the condition

Some genetic conditions may not be fatal and can be managed by lifestyle modifications, dietary changes, and medications after birth.

References

1. Germline genome editing versus preimplantation genetic diagnosis; National Institutes of Health
2. Ethical Issues in the 'New' Genetics; Science Direct
3. Genetic technologies and human health; The Royal Society