

9th Yazd International Congress and Student Award on Reproductive Medicine with 4th Congress of Reproductive Genetics

Key Lectures

K-48

Somatic and germ line gene therapy

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Genetic and molecular approaches are applied to diagnose or predict a disorder then the offers are dealing

with the disease or termination of pregnancy. This is called the diagnostic therapeutic gap. Gene therapy, as an old dream, aims to fill this gap. It involves the introduction of genetic material into the cells to cure or prevent the inherited and non-inherited diseases and expected to be curative and durable. By developing efficient gene delivery and gene editing systems, now gene therapy is applicable. To meet the expectations, there are two alternative strategies: somatic and germ line gene therapy with their advantages and challenges.