

## **GENE THERAPY**

Gene Therapy is the process of injecting therapeutic nucleic acid into patient's cells in order to treat any disease or health ailment. Gene Therapy is generally performed using naked DNA or recombinant viruses or other non-viral methods. Generally, there are two types of gene therapies performed: Somatic and Germline. Somatic Gene Therapy involves therapeutic gene transfer into cells except gametes, germ cells or gametocytes. Germline Gene Therapy is where functional genes are introduced to the genomes of germ cells – sperm cell or egg cell. It is to be noted that not all kinds of medical procedures of genetic makeup can be referred to as gene therapy.