

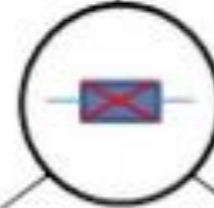
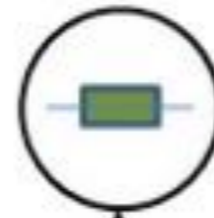
Gene augmentation therapy

Description

This describes the replacement of a mutated gene, not producing a functional product with a non-mutated gene

Uses

In conditions where the effects of the disease are reversible or progressive e.g. cystic fibrosis



Cell with mutated gene

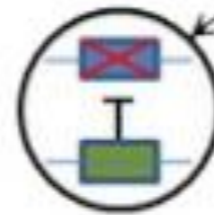
Gene inhibition therapy

Description

Nucleic acids are introduced which blocks either a mutated gene or interferes with the activity of the protein it produces

Uses

In conditions caused by the production or over-production of a gene product e.g. cancer caused by overactivity of an oncogene



Targeted killing of specific cells

Description

Nucleic acids are inserted into a cell causing it to die or marking it for destruction by the body's immune system.

Uses

Diseases such as cancer which can be treated by killing groups of cells

