### Genetic Engineering. The main bioethics principles.

Abu Ghayadh Mihyar, Kochubiei O, Ashcheulova T.

### This paper discusses the use of genetic engineering in Techniques, advantages and disadvantages, including a description of the methods.

### Genetic Engineering is the group of applied techniques of genetics and biotechnology used to cut up and join together genetic material and especially DNA from one or more species of organism and to introduce the result into an organism in order to change one or more of its characteristics.

### Important Techniques of Genetic Engineering: Recombinant DNA, Plasmids and vectors, Microinjection etc. The objective of this technology is to increase disease resistance for human being.

### The Advantages of Genetic Engineering:

### 1) Most of the diseases and illnesses can easily be prevented.

### 2) There are also infectious diseases that can also be treated with the use of genetic engineering through implanting the genes that are associated with antigen and antiviral proteins.

### 3) Plants and animals can easily determine their desirable characteristics.

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The disadvantages of Genetic Engineering:

1) There are scientists who believe that the existence of hereditarily modified genes had an irreversible effect that are also associated with some consequences.

2) Genetic engineering can hinder the moral issues particularly in religion.

3) There are also professional scientists who manipulated the so called genetic sequence to obtain the main purpose of human reproduction organs that are intended for health purposes.

4) The process of genetic engineering is quite tricky and risky process and you need to gather a wide variety of information before attempting to engage in the process of genetic engineering.

### In conclusion, Genetic Engineering in medicine can always be a good thing or a bad thing. The idea of transplant organs is a really good idea but it also affects the pig species and it decreases its numbers in population. Cheaper insulin and antibiotics is really nice and all, but its still not cheap enough for many families. In my Opinion, i believe genetic Engineering in general and medicine, is a bad thing. I think this because it may take many years to do such things and cost lots of money to do so. It also damages other species and can harm them in many ways.