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1. Do you think genome sequencing will impact on your future life? Give examples of what you would want and what you would not want to happen because of genome sequencing.

It's certainly believed that genetic technology and science are developing at the speed of light; this involves the necessity of information and explanations about it. Websites control that this developments are used for the public interest and they help to understand them. The aims of webs, like GeneWatch UK, are: to make people understand the facts that are exposed and the importance of genetic advances; to assure that the human rights and dignity aren't affected in the processes and researches; to protect the ecosystem, animals and humans from possible side effects that can caused changes in nature; and, to provided other solutions less drastic than genetics to people without an medical emergency. The key to understand the reason for these claimed objectives is by setting the following examples (1).

In the first place, companies are making a profit by selling genetic tests online. The US company 23andMe has recently launched a gene test product that is available on Internet, even though they are poor predictors of the majority of diseases (1). In spite of being useful for some single gene diseases and rare familiar forms of common diseases (2) and not having an influence in the patient's life, they can make an impact in some cases such as persons is in a delicate emotional situation i.e., a pregnant woman (3).

Secondly, the genetic engineering is carried out and supervised in laboratories and it's possible thanks to many techniques like: recombinant DNA technology, which can modified the information contained in the organism; order the bases of a DNA segment; making a lot of copies of a DNA segment in a short period of time or even cloning. Although, these processes in some cases lead to some ethical questions; it's true that they could be used to cure diseases but, they caused unnatural events too, such as, the cloning of Dolly the sheep (4). As the scientist Lewis Thomas said; "The cloning of humans is on most of the lists of things to worry about from Science, along with behavior control, genetic engineering, transplanted heads, computer poetry and the unrestrained growth of plastic flowers" (5).

Moreover, there are other cures or treatments to illnesses with a low level of seriousness which usually consist of having a healthy diet, to practice exercise and to be in a fit emotional situation. We can't omit that a healthful lifestyle and other environmental elements, as economic and social circumstances, are often more important in preventing diseases (1).

To sum up, people should be sure of what they are about to do with genetic engineering and they must be informed about the risk, benefits or different solutions and, always preserving human dignity first [addition, AT].

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