

Gene Pollution and its Therapeutical Approach (Communication Letter/Perspective View)

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Abstract: Nature plays a role to retain healthy animals by the mechanism called struggle existence. Whereas, in human there are medicines to support even genetic ailment cases to live. As the result of many such events, our genome become like a bin to accumulate defective genes that replace normal genes. This process is just like rusting of iron. In future, the evolution of higher animals from the human origin may be affected or the survival of human being to the natural environment will not be easy as other animals living. Hence, new strategies in therapeutic approach to be considered. This letter discusses the sum of such factors and remedies to avoid the congenital diseases.

Key words: Environmental impact on life, evolution of life, gene pollution, gene therapy, genetic disorders, inborn errors

INTRODUCTION

The term "Gene pollution" is a new phenomenon that happen to human higher than other animals. In the earth whatever man can do all that end with unwanted byproducts which cause pollution. When a man does any damage by his physical power, it will be adjusted by the natural healing mechanism of earth. But he made tremendous changes by his brain power and machine power that overloaded the pollutants to natural harmonic recovery process of earth events. Out of these many unwanted pollution, this paper would like to point out some reason and remedies for Gene pollution.

REASONING POWER AND SIXTH SENSE

By the power of sixth sense man has realized the feelings of others and willing to treat them as he is willing to live. Whereas in lower animals nature plays a role to retain healthy animals by the mechanism called struggle existence. This mechanism does not allow the unhealthy individual to form their generation. Hence, the genetic setup of that unhealthy individual will be terminated from the globe.

THE DISCOVERY OF MEDICINE

Discovery of the medicine is another drawback to this gene pollution. For example, most of the medicines are supporting to live the genetic ailment cases, like Lactose intolerance, Haemoglobinopathy etc. When there is no treatment available anywhere in the globe it would have been lost from the world. But in current scenario,

individuals having one or two congenital disorders may have the chance of giving more than two disorders to their young generation. As the result of many such events our genome become like a bin to accumulate defective genes that replaces normal genes just like rusting of iron.

MODERN COMMUNICATION SYSTEM

Adaptation to the environment is the very slow process to all animals. It takes place at the genetic level after thousands of trials and attempts made by the natural mechanisms that control evolutionary process. There are millions of physical and chemical factors to the particular geographical area made a man as different races. Though this takes thousands of years to form phenotypic variation, it avails the man to have perfect living hood. In recent days, this settling of genetic construction is being disturbed due modern communication system that facilitate migration of the people to totally different geographic region, exchange of goods, trans-cultural civilization etc. Thus, there is genetic contamination taking place in human genome.

CONCLUSION

The people were very much happy when started using fossil fuels are now suffering due to global warming. As our ancestors had no experience on this event as well as reluctant to worry beyond their life span we are facing this global warming. Like this, the world will realize this gene pollution and unsuitability to the natural environment in near future. So, we must find a solution to adopt the methods for natural living and not for more artificial comforts. When we regret to follow this,

elaborate research in the following field may be a remedy to this problem.

- Use of Immunization procedure to boost the disease resistance is better than the use of antibiotics. We need to find similar methodologies for other diseases which can memorize the body and increase the disease resistance. This exposure will make impression on genetic material over period of time.
- Amniocentesis analysis may be useful for the early detection and medical termination of pregnancy. This may prevent inborn errors. This should be mandatory for everyone.

- Genetic analysis, Molecular diagnosis, Gene therapy, will be the ultimate solution. So the research related in this area must be accelerated.
- Awareness to be created during migration of people regarding trans-cultural civilization and compatibility to geographic regions.

I do hope that our generation will take steps to preserve healthy genome of human.