

Importance Of Genomic Education In The Current Era Of Personalized Medicine

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INTRODUCTION

- Genomic literacy refers to the ability to understand and use genomic information effectively, which is essential for making informed decisions about health, lifestyle, and other ethical considerations.
- Education in genomics should begin at an early age, integrated into school curricula to build a foundational understanding.

AWARENESS

- For the general public accessible resources are crucial. Online platforms, public seminars, and community outreach programs can help disseminate genomic knowledge
- Healthcare providers also play a key role in enhancing genomic literacy by explaining genetic information to patients in a clear and comprehensible manner.

EXAMPLE

Targeted Therapies specifically work on cancer cells and kill them without causing much damage to the surrounding healthy cells thereby, the treatment becomes much more effective as compared to chemotherapy.

. An already financially overburdened and traumatized patient needs to further face these challenges with the only hope that he/she will get a report which will give valuable information to his treating doctor on what drug will be most suitable for him/her.

A genetic counsellor who has the knowledge of interpretation of the genetic report and the reasons behind such reports will be able to counsel the patient that the report is purely based upon the genetic variants in the patients own sample and accept the results.

TAKE HOME MESSAGE

- . Genomic education forms a very important part of curriculum for students aspiring to study genetics.
- . Public awareness is necessary considering potential genetic disorders.
- Understanding of genomic tests helps a genetic counsellor and the individual to take informed decisions

CONCLUSION

- Knowledge of recent developments in genomic medicine helps the genetic counsellor to confidently manage such sensitive situations.
- At the same time if the patient/ caregiver is also aware of genetic testing results it helps in acceptance.

REFERENCES

Genetic counselling in the era of genomic medicine

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The Role of Genetic Counselling in Genomic Era

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