

ABSTRACT

Introducing Genetics into the Diabetes Education Curriculum

Health care and medicine are undergoing a huge renewal. Recent advances in genomic research are leading to a new era, because use of genome data makes it possible to get more precise information on many illnesses. Decisions regarding the prevention and treatment of diseases will be increasingly based on an individual's genetic makeup. Genome data is an example of big data that is a key of change in the health sector. However, the change requires careful preparations in the health sector including research, development, clinical work and education. The public will increasingly expect that registered nurses, public health nurses, midwives and biomedical laboratory scientists will use genetic and genomic information and technology when promoting counselling.

Utilizing genomic data skillfully requires first that the nurses has topical information about any changes and, secondly, that the professionals personally participate in the development of operations. Expertise can be promoted with initial training that leads to basic qualifications, followed by supplemental training. There is currently no training ensemble in Finland for social and health care professionals related to the utilization of genomic and wellbeing data in the health and welfare sector. One of the most important issue is the patient education where the patient is at the center.

In my presentation, I will explain how new knowledge is brought into curricula and thus increases the competence of future nurses. In addition, continuous learning is important to provide nurses with new knowledge about genome-related guidance.

BIOG

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