

33rd International Conference on

DENTAL AND ORAL HEALTH

August 13-14, 2018 Dubai, UAE

Personalized medicine in dentistry- by today; by 2020; by 2025....Revolution

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Personalized medicine a move away from a one size fits all approach to the treatment and care of patients with a particular condition, to one which uses new approaches to better manage patients' health and target therapies to achieve the best outcomes in the management of a patient's disease or predisposition to disease. Thus personalized medicine is a medical model that involves the customization of healthcare with medical decisions, practices and/or products being tailored to the individual patient need. Emergence to birth of personalized medicine is because most of the oral diseases arise from a complex interaction of genetic, biological, behavioral, environmental and various other factors and due to differential expression and interaction of these factors, individuals differ in their susceptibility and expression of disease. In the newer concept of personalized medicine genetic and genomic information is utilized in the diagnosis of and treatment for disease in clinical oral and general health care. It is anticipated that genome-derived information will promote a deeper understanding of disease etiology and permit earlier diagnosis, allowing for preventative measures prior to disease onset rather than treatment that attempts to repair the diseased state. To take full advantage of the information and technologies currently available, it is vital that dental care providers, consumers and policymakers be aware of genomic approaches to understanding of oral diseases and the application of genomic testing to disease diagnosis and treatment. Ethical, legal, clinical and educational initiatives are also required to responsibly incorporate genomic information into the practice of dentistry. So the purpose of my poster is to highlight the role of this newer technology in prevention and management of oral problems with ethical and legal initiatives.

Biography

Mansi Dahiya has her interests in delivering oral health care with fine skills, relieving pain of dental origin and imparting education to patients henceforth to improvise the further hygiene. Also has passion in relating scientific notion into metaphorical verse of poetry. She won 1st Prize in recitation of poem called pulp's best friend- endodontics, held at college.

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