

36th International Conference on

DENTISTRY & DENTAL MARKETING

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18th Annual Meeting on

ORAL CARE & ORAL CANCER

October 24- 25, 2018 | Boston, USA

Intersection of technology and dentistry: Emerging major breakthroughs

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Technological advancements in dentistry such as VELscope, Digital X-rays, Laser dentistry needs no introduction to the dental community and it is hard to imagine a dental office without such technologies but modern technologies powered by artificial intelligence and big data is paving way for even more advancements that would not only make a dentists life easy but make it a pleasant visit for patients and a more productive environment for office staff. This poster attempts to explore the application of technologies such as robotics and its role in implantology/dental assisting, virtual reality and its role in treating dental anxiety and augmented reality for treatment pre-visualization in a dental office. Although these advancements are in various stages of maturity and it could be some time before widespread deployment is seen, it is important to openly debate the pros and cons of such technological applications. This poster is expected to trigger a spark in such conversations.

Biography

Manju Natarajan is a foreign trained dentist and she has over 3.5years of dental experience in India and has also volunteered 1000+hours with various organizations in both India and the US. Her research experience includes oral health, technology and diabetes.

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